

FIG. 1 PRIOR ART

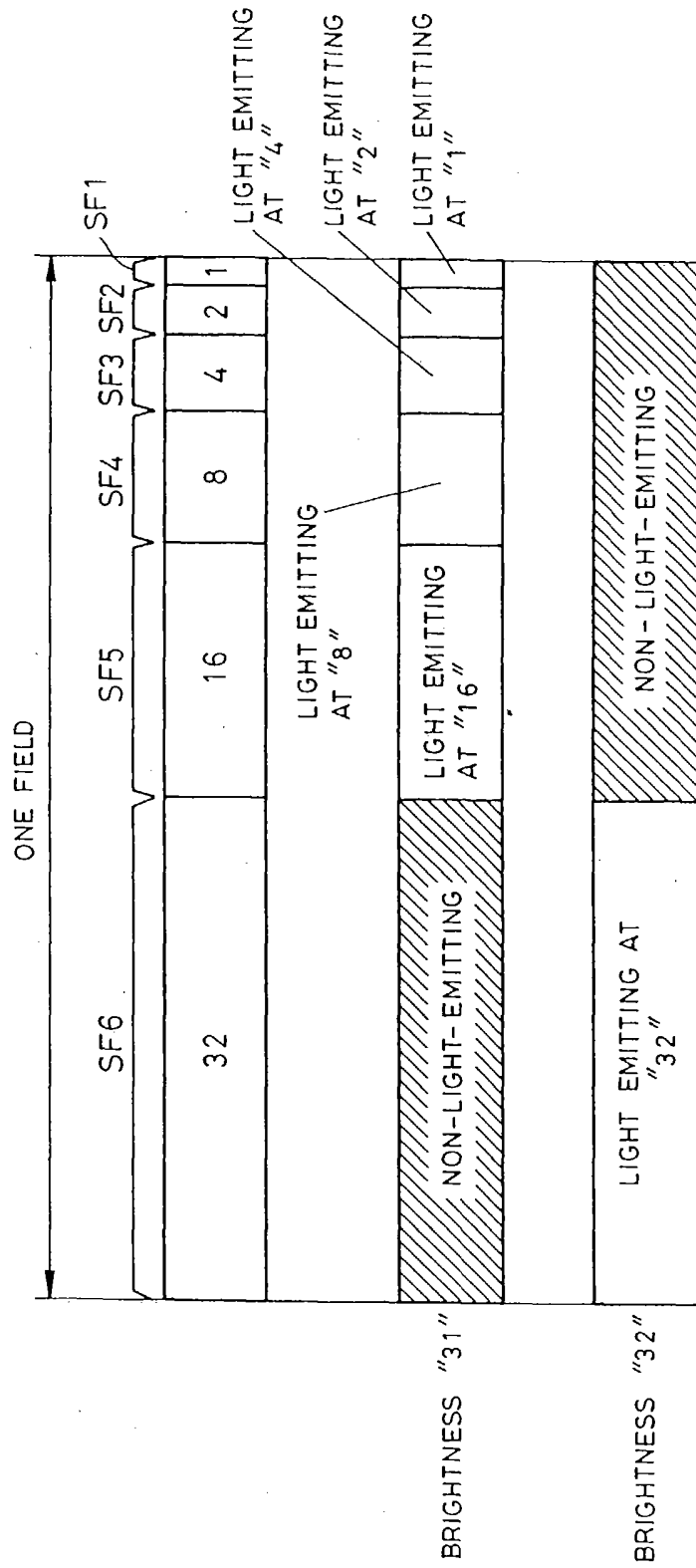


FIG. 2

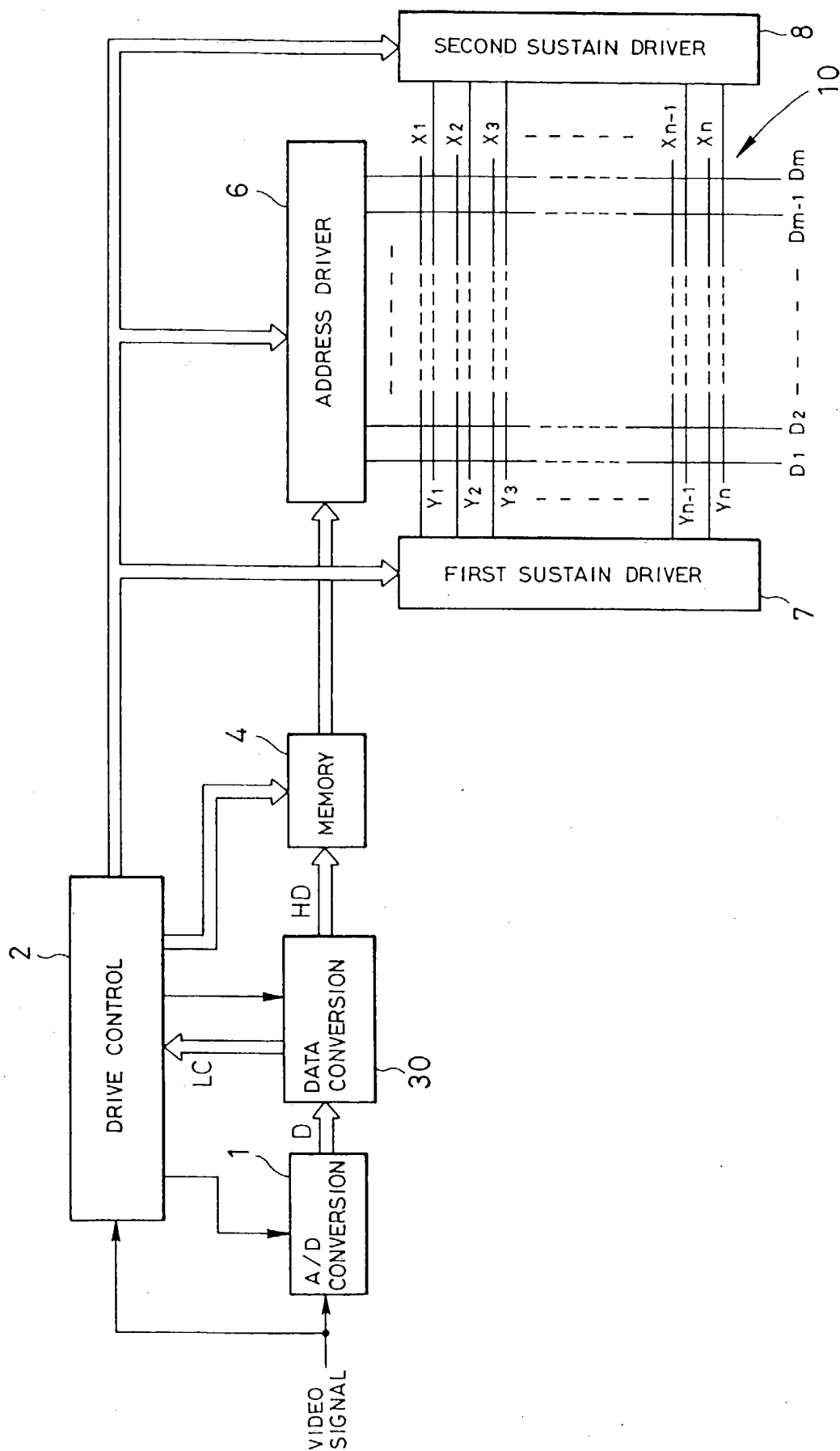
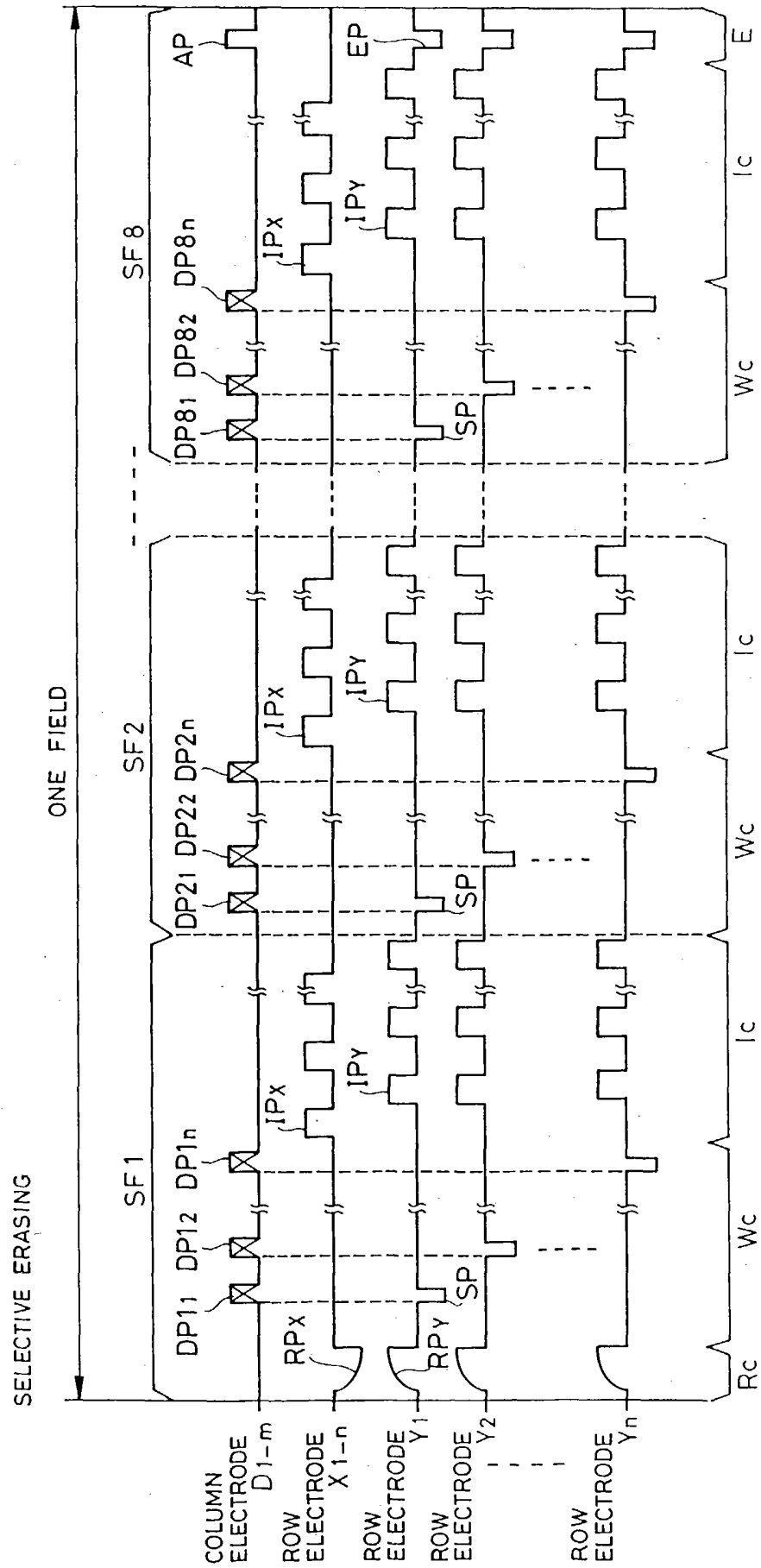


FIG. 3



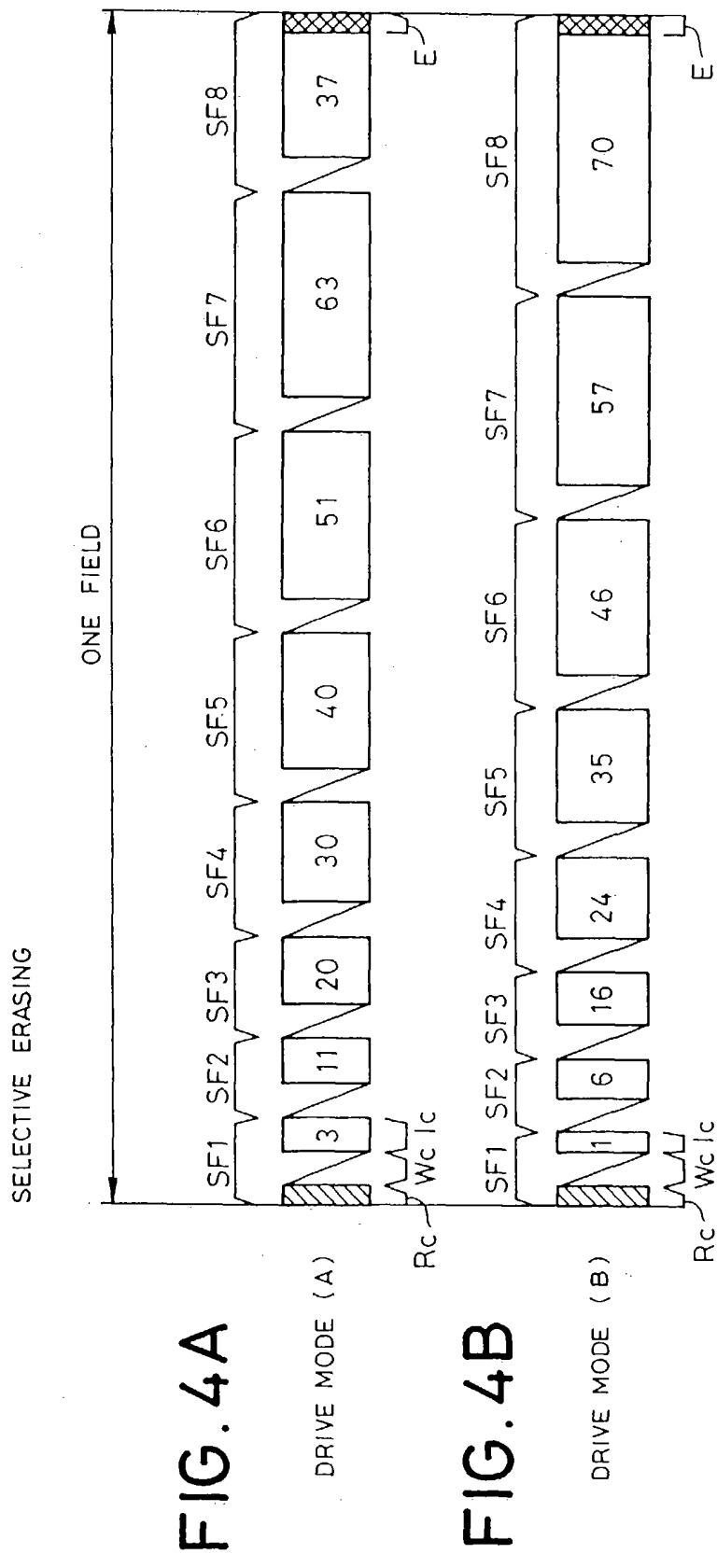


FIG. 4A

FIG. 4B

FIG. 5

## SELECTIVE ERASING

[illegible]

# FIG. 6

30

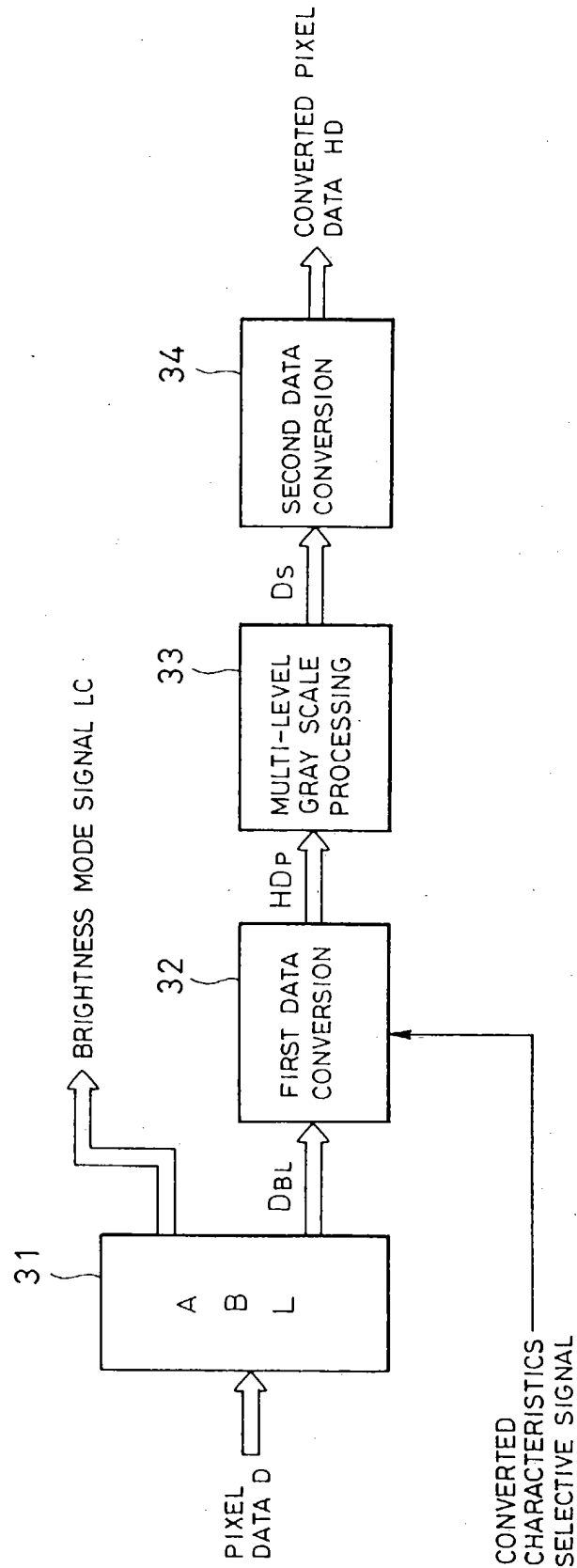


FIG. 7

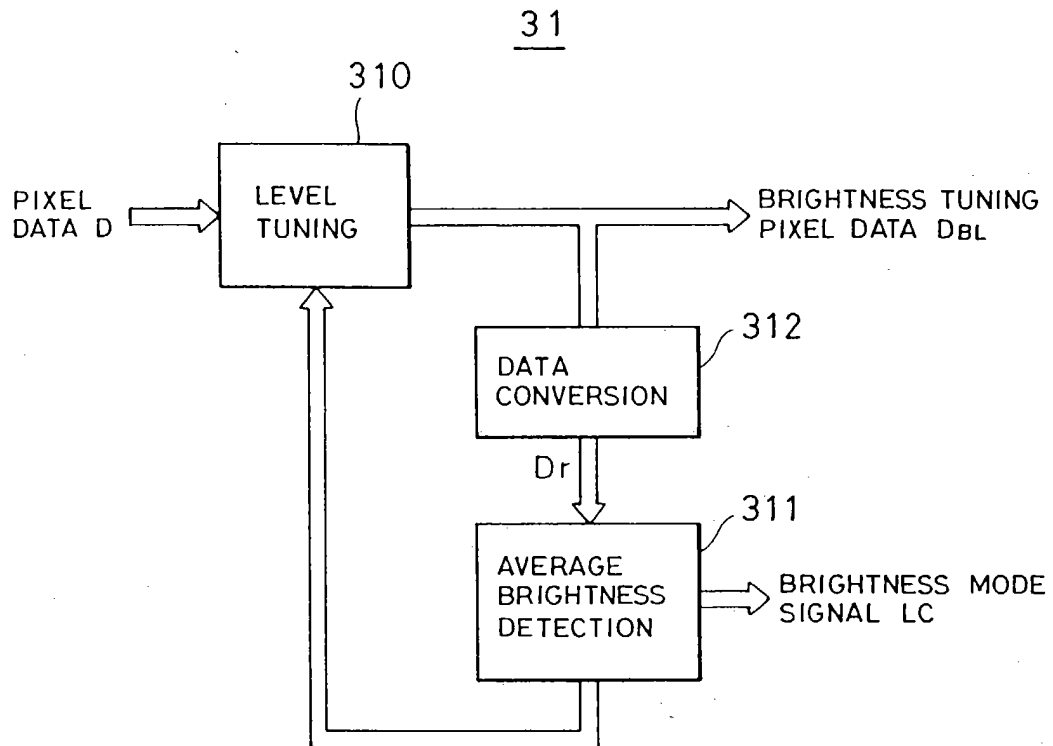


FIG. 8

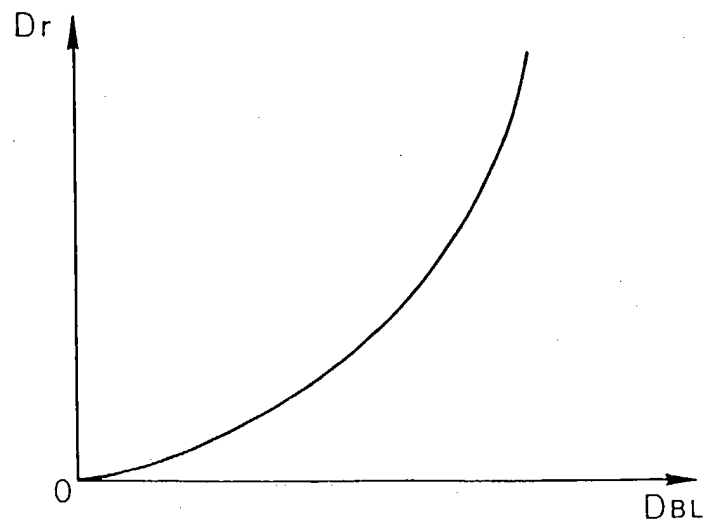


FIG. 9A

DRIVE MODE (A)	LC \	SF1	SF2	SF3	SF4	SF5	SF6	SF7	SF8
	MODE 1	3	11	20	30	40	51	63	37
	MODE 2	6	22	40	60	80	102	126	74
	MODE 3	9	33	60	90	120	153	189	111
	MODE 4	12	44	80	120	160	204	252	148

FIG. 9B

DRIVE MODE (B)	LC \	SF1	SF2	SF3	SF4	SF5	SF6	SF7	SF8
	MODE 1	1	6	16	24	35	46	57	70
	MODE 2	2	12	32	48	70	92	114	140
	MODE 3	3	18	48	72	105	138	171	210
	MODE 4	4	24	64	96	140	184	228	280



FIG.10

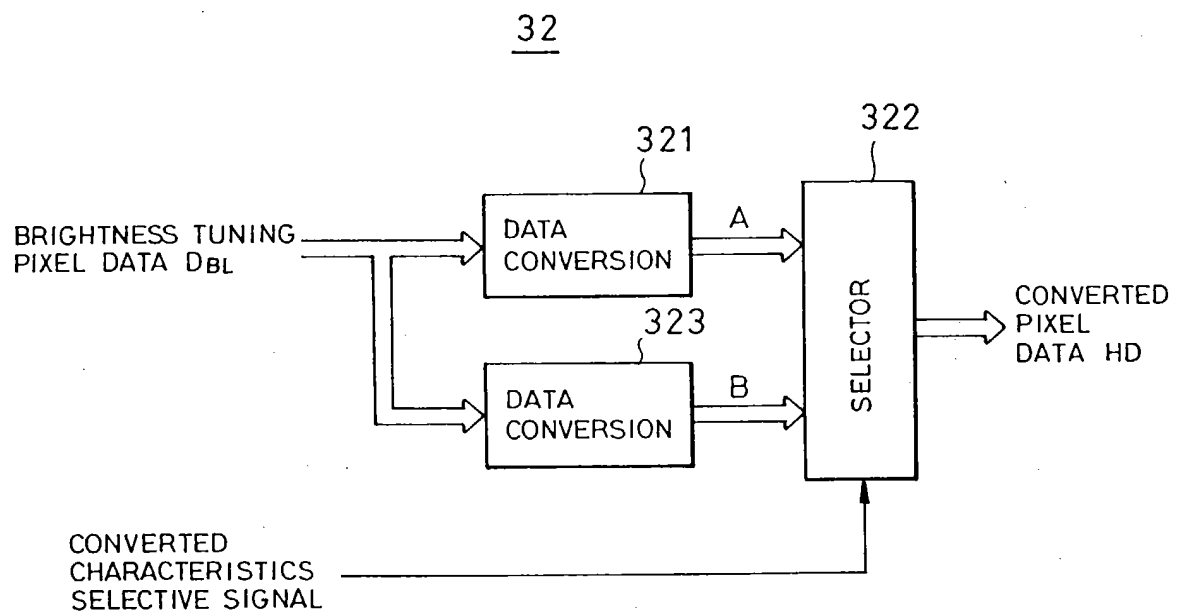


FIG.11

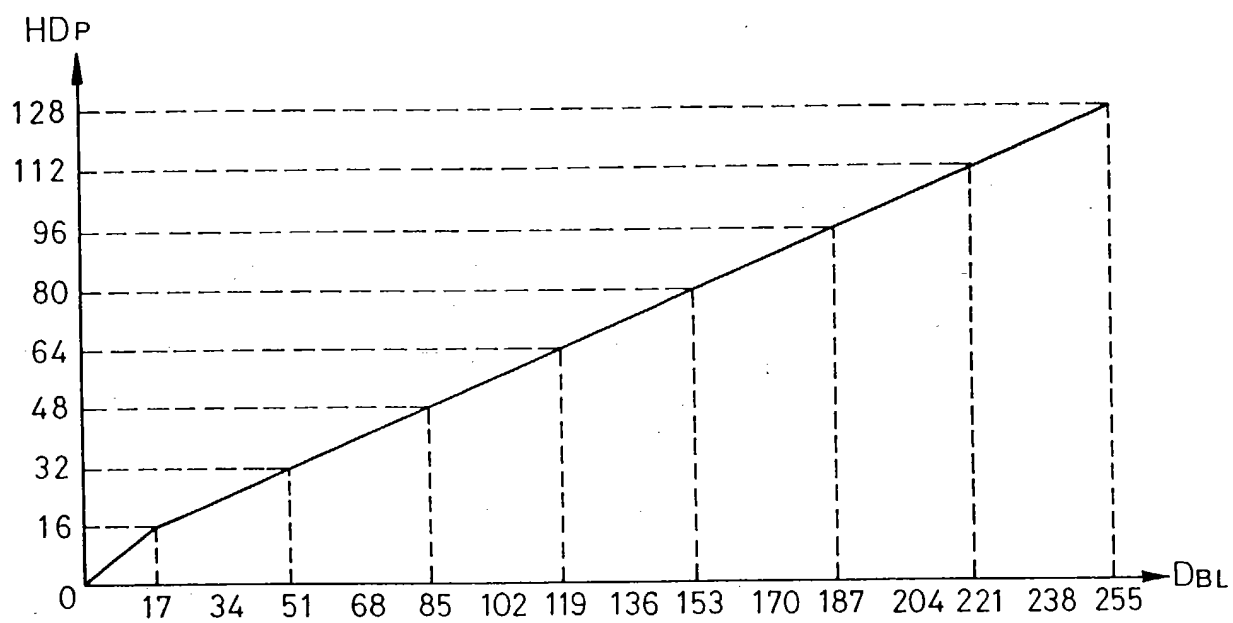


FIG.12

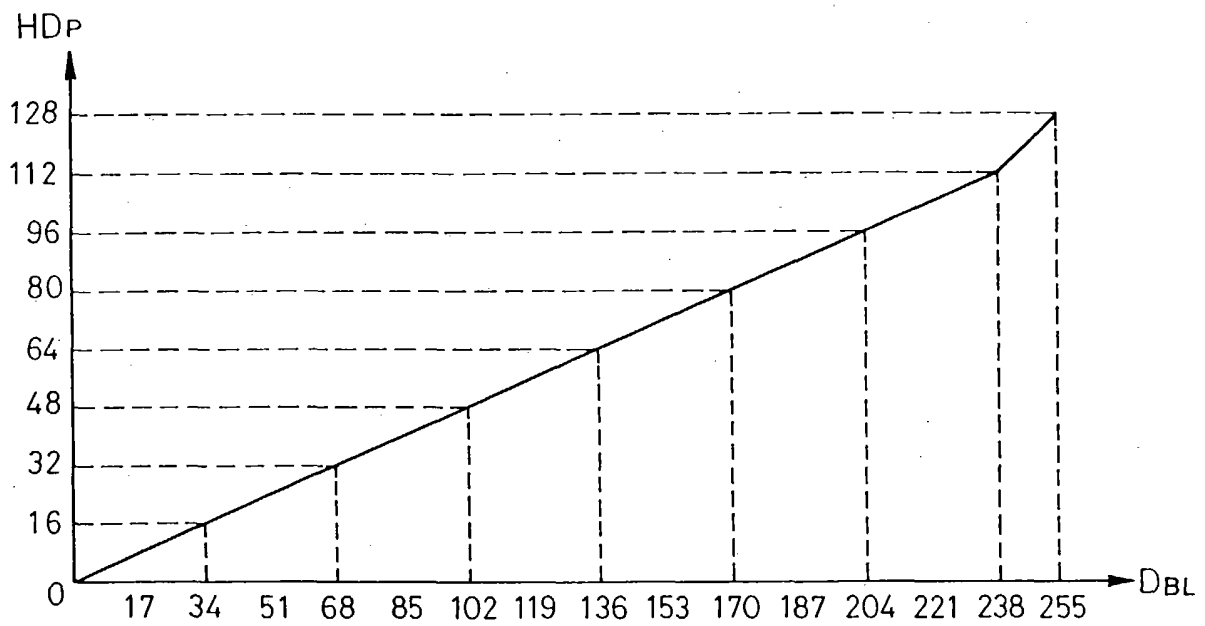


FIG.13

12/54

LEVEL	DBL	A	B		DBL	A	B
0	00000000	00000000	00000000	64	01000000	00100110	00011110
1	00000001	00000000	00000000	65	01000001	00100110	00011110
2	00000010	00000001	00000000	66	01000010	00100111	00011111
3	00000011	00000010	00000001	67	01000011	00100111	00011111
4	00000100	00000011	00000001	68	01000100	00101000	00100000
5	00000101	00000100	00000010	69	01000101	00101000	00100000
6	00000110	00000101	00000010	70	01000110	00101000	00100000
7	00000111	00000110	00000011	71	01000111	00101001	00100001
8	00001000	00000111	00000011	72	01001000	00101001	00100001
9	00001001	00001000	00000100	73	01001001	00101010	00100010
10	00001010	00001001	00000100	74	01001010	00101010	00100010
11	00001011	00001010	00000101	75	01001011	00101011	00100011
12	00001100	00001011	00000101	76	01001100	00101011	00100011
13	00001101	00001100	00000110	77	01001101	00101100	00100100
14	00001110	00001101	00000110	78	01001110	00101100	00100100
15	00001111	00001110	00000111	79	01001111	00101101	00100101
16	00010000	00001111	00000111	80	01010000	00101101	00100101
17	00010001	00010000	00001000	81	01010001	00101110	00100110
18	00010010	00010000	00001000	82	01010010	00101110	00100110
19	00010011	00010000	00001000	83	01010011	00101111	00100111
20	00010100	00010001	00001001	84	01010100	00101111	00100111
21	00010101	00010001	00001001	85	01010101	00110000	00101000
22	00010110	00010010	00001010	86	01010110	00110000	00101000
23	00010111	00010010	00001010	87	01010111	00110000	00101000
24	00011000	00010011	00001011	88	01011000	00110001	00101001
25	00011001	00010011	00001011	89	01011001	00110001	00101001
26	00011010	00010100	00001100	90	01011010	00110010	00101010
27	00011011	00010100	00001100	91	01011011	00110010	00101010
28	00011100	00010101	00001101	92	01011100	00110011	00101011
29	00011101	00010101	00001101	93	01011101	00110011	00101011
30	00011110	00010110	00001110	94	01011110	00110100	00101100
31	00011111	00010110	00001110	95	01011111	00110100	00101100
32	00100000	00010111	00001111	96	01100000	00110101	00101101
33	00100001	00010111	00001111	97	01100001	00110101	00101101
34	00100010	00011000	00010000	98	01100010	00110110	00101110
35	00100011	00011000	00010000	99	01100011	00110110	00101110
36	00100100	00011000	00010000	100	01100100	00110111	00101111
37	00100101	00011001	00010001	101	01100101	00110111	00101111
38	00100110	00011001	00010001	102	01100110	00111000	00110000
39	00100111	00011010	00010010	103	01100111	00111000	00110000
40	00101000	00011010	00010010	104	01101000	00111000	00110000
41	00101001	00011011	00010011	105	01101001	00111001	00110001
42	00101010	00011011	00010011	106	01101010	00111001	00110001
43	00101011	00011100	00010100	107	01101011	00111010	00110010
44	00101100	00011100	00010100	108	01101100	00111010	00110010
45	00101101	00011101	00010101	109	01101101	00111011	00110011
46	00101110	00011101	00010101	110	01101110	00111011	00110011
47	00101111	00011110	00010110	111	01101111	00111100	00110100
48	00110000	00011110	00010110	112	01110000	00111100	00110100
49	00110001	00011111	00010111	113	01110001	00111101	00110101
50	00110010	00011111	00010111	114	01110010	00111101	00110101
51	00110011	00100000	00011000	115	01110011	00111110	00110110
52	00110100	00100000	00011000	116	01110100	00111110	00110110
53	00110101	00100000	00011000	117	01110101	00111111	00110111
54	00110110	00100001	00011001	118	01110110	00111111	00110111
55	00110111	00100001	00011001	119	01110111	01000000	00111000
56	00111000	00100010	00011010	120	01111000	01000000	00111000
57	00111001	00100010	00011010	121	01111001	01000000	00111000
58	00111010	00100011	00011011	122	01111010	01000001	00111001
59	00111011	00100011	00011011	123	01111011	01000001	00111001
60	00111100	00100100	00011100	124	01111100	01000010	00111010
61	00111101	00100100	00011100	125	01111101	01000010	00111010
62	00111110	00100101	00011101	126	01111110	01000011	00111011
63	00111111	00100101	00011101	127	01111111	01000011	00111011

FIG.14

13/54

LEVEL	D8L	A	B		D8L	A	B
128	10000000	01000100	00111100	192	11000000	01100010	01011010
129	10000001	01000100	00111100	193	11000001	01100010	01011010
130	10000010	01000101	00111101	194	11000010	01100011	01011011
131	10000011	01000101	00111101	195	11000011	01100011	01011011
132	10000100	01000110	00111110	196	11000100	01100100	01011100
133	10000101	01000110	00111110	197	11000101	01100100	01011100
134	10000110	01000111	00111111	198	11000110	01100101	01011101
135	10000111	01000111	00111111	199	11000111	01100101	01011101
136	10001000	01001000	01000000	200	11001000	01100110	01011110
137	10001001	01001000	01000000	201	11001001	01100110	01011110
138	10001010	01001000	01000000	202	11001010	01100111	01011111
139	10001011	01001001	01000001	203	11001011	01100111	01011111
140	10001100	01001001	01000001	204	11001100	01101000	01100000
141	10001101	01001010	01000010	205	11001101	01101000	01100000
142	10001110	01001010	01000010	206	11001110	01101000	01100000
143	10001111	01001011	01000011	207	11001111	01101001	01100001
144	10010000	01001011	01000011	208	11010000	01101001	01100001
145	10010001	01001100	01000100	209	11010001	01101010	01100010
146	10010010	01001100	01000100	210	11010010	01101010	01100010
147	10010011	01001101	01000101	211	11010011	01101011	01100011
148	10010100	01001101	01000101	212	11010100	01101011	01100011
149	10010101	01001110	01000110	213	11010101	01101100	01100100
150	10010110	01001110	01000110	214	11010110	01101100	01100100
151	10010111	01001111	01000111	215	11010111	01101101	01100101
152	10011000	01001111	01000111	216	11011000	01101101	01100101
153	10011001	01010000	01001000	217	11011001	01101110	01100110
154	10011010	01010000	01001000	218	11011010	01101110	01100110
155	10011011	01010000	01001000	219	11011011	01101111	01100111
156	10011100	01010001	01001001	220	11011100	01101111	01100111
157	10011101	01001001	01001001	221	11011101	01110000	01101000
158	10011110	01001010	01001010	222	11011110	01110000	01101000
159	10011111	01001010	01001010	223	11011111	01110000	01101000
160	10100000	01001011	01001011	224	11100000	01110001	01101001
161	10100001	01001011	01001011	225	11100001	01110001	01101001
162	10100010	01001100	01001100	226	11100010	01110010	01101010
163	10100011	01001100	01001100	227	11100011	01110010	01101010
164	10100100	01001101	01001101	228	11100100	01110011	01101011
165	10100101	01001101	01001101	229	11100101	01110011	01101011
166	10100110	01001110	01001110	230	11100110	01110100	01101100
167	10100111	01010110	01001110	231	11100111	01110100	01101100
168	10101000	01010111	01001111	232	11101000	01110101	01101101
169	10101001	01010111	01001111	233	11101001	01110101	01101101
170	10101010	01011000	01010000	234	11101010	01110110	01101110
171	10101011	01011000	01010000	235	11101011	01110110	01101110
172	10101100	01011000	01010000	236	11101100	01110111	01101111
173	10101101	01011001	01010001	237	11101101	01110111	01101111
174	10101110	01011001	01010001	238	11101110	01111000	01110000
175	10101111	01011010	01010010	239	11101111	01111000	01110000
176	10110000	01011010	01010010	240	11110000	01111000	01110001
177	10110001	01011011	01010011	241	11110001	01111001	01110010
178	10110010	01011011	01010011	242	11110010	01111001	01110011
179	10110011	01011100	01010100	243	11110011	01111010	01110100
180	10110100	01011100	01010100	244	11110100	01111010	01110101
181	10110101	01011101	01010101	245	11110101	01111011	01110110
182	10110110	01011101	01010101	246	11110110	01111011	01110111
183	10110111	01011110	01010110	247	11110111	01111100	01111000
184	10111000	01011110	01010110	248	11111000	01111100	01111001
185	10111001	01011111	01010111	249	11111001	01111101	01111010
186	10111010	01011111	01010111	250	11111010	01111101	01111011
187	10111011	01100000	01011000	251	11111011	01111110	01111100
188	10111100	01100000	01011000	252	11111100	01111110	01111101
189	10111101	01100000	01011000	253	11111101	01111111	01111110
190	10111110	01100001	01011001	254	11111110	01111111	01111111
191	10111111	01100001	01011001	255	11111111	10000000	10000000

**FIG. 15**

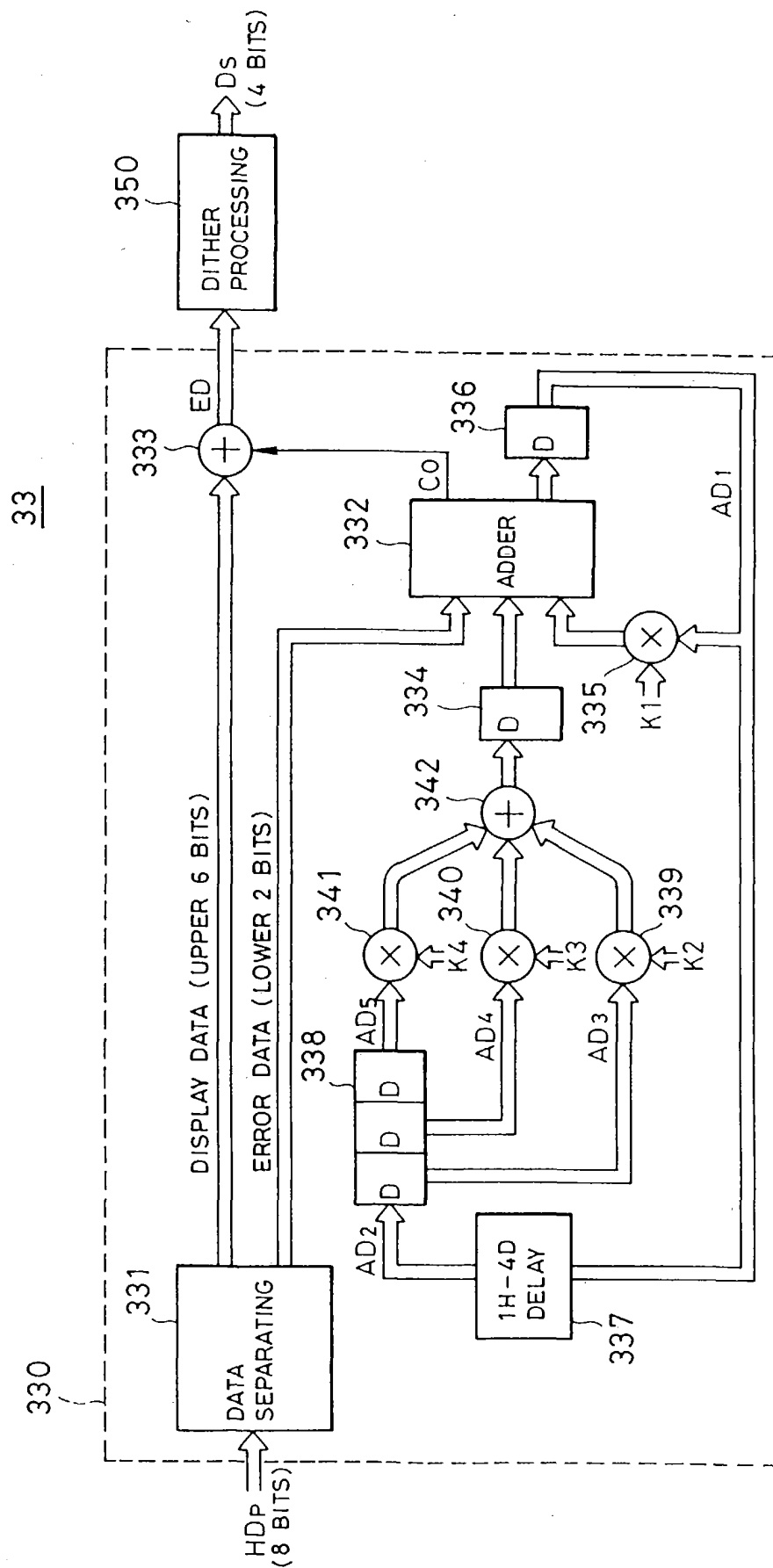


FIG.16

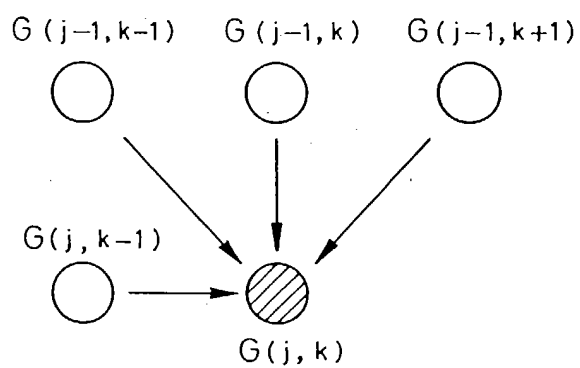


FIG.17

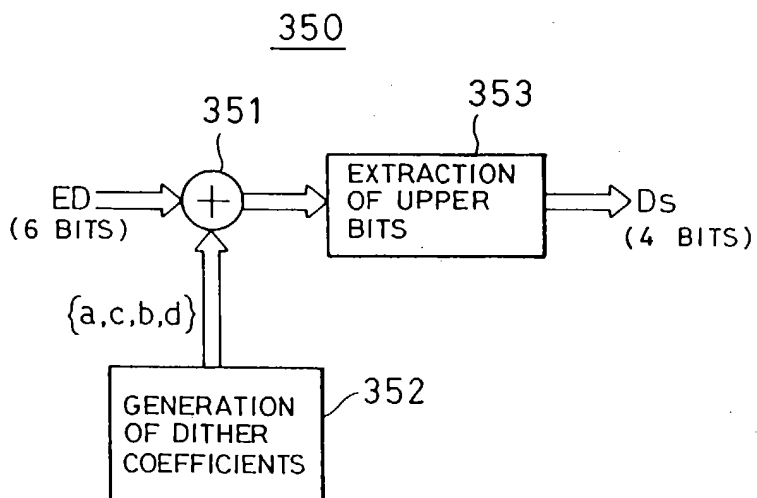


FIG.18

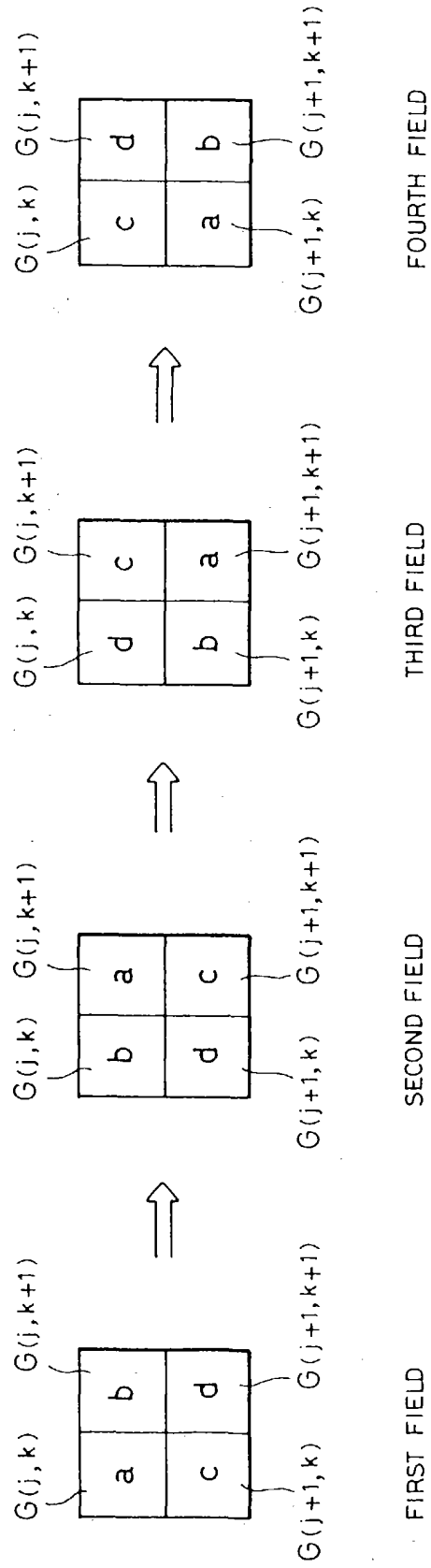




FIG.19

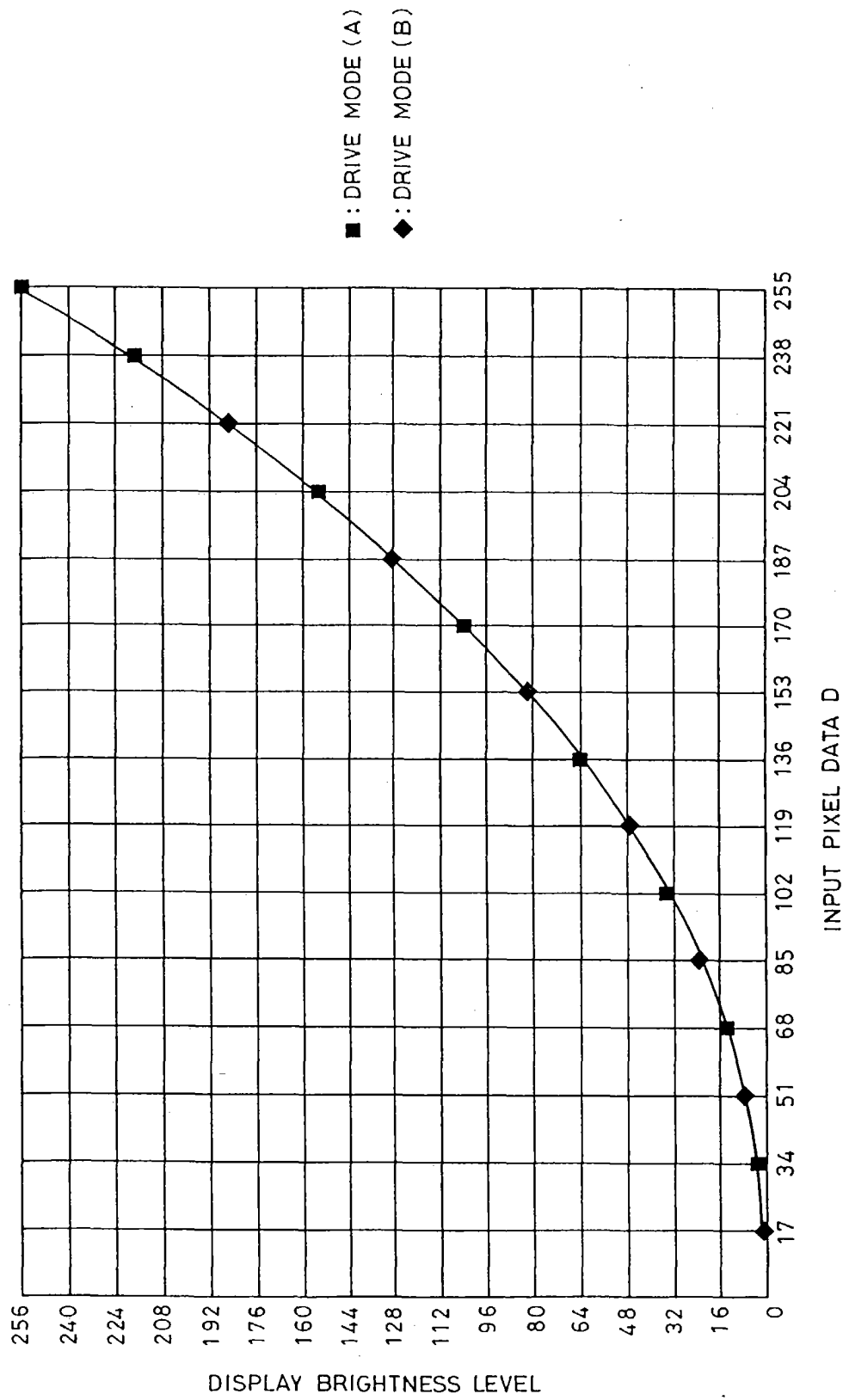
LIGHT-EMISSION  
BRIGHTNESS

SELECTIVE ERASING

GRAY SCALE	Ds	HD								LIGHT-EMISSION DRIVE PATTERN								LA LB	
		1	2	3	4	5	6	7	8	SF 1	SF 2	SF 3	SF 4	SF 5	SF 6	SF 7	SF 8	LA	LB
1	0000	1	0	0	0	0	0	0	0	●								0	0
2	0001	0	1	0	0	0	0	0	0	○	●							3	1
3	0010	0	0	1	0	0	0	0	0	○	○	●						14	7
4	0011	0	0	0	1	0	0	0	0	○	○	○	●					34	23
5	0100	0	0	0	0	1	0	0	0	○	○	○	○	●				64	47
6	0101	0	0	0	0	0	1	0	0	○	○	○	○	○	●			104	82
7	0110	0	0	0	0	0	0	1	0	○	○	○	○	○	○	●		155	128
8	0111	0	0	0	0	0	0	0	1	○	○	○	○	○	○	○	●	218	185
9	1000	0	0	0	0	0	0	0	0	○	○	○	○	○	○	○	○	255	255

BLACK CIRCLES : SELECTIVE ERASE DISCHARGE STATE  
WHITE CIRCLES : LIGHT-EMITTING STATE

FIG. 20



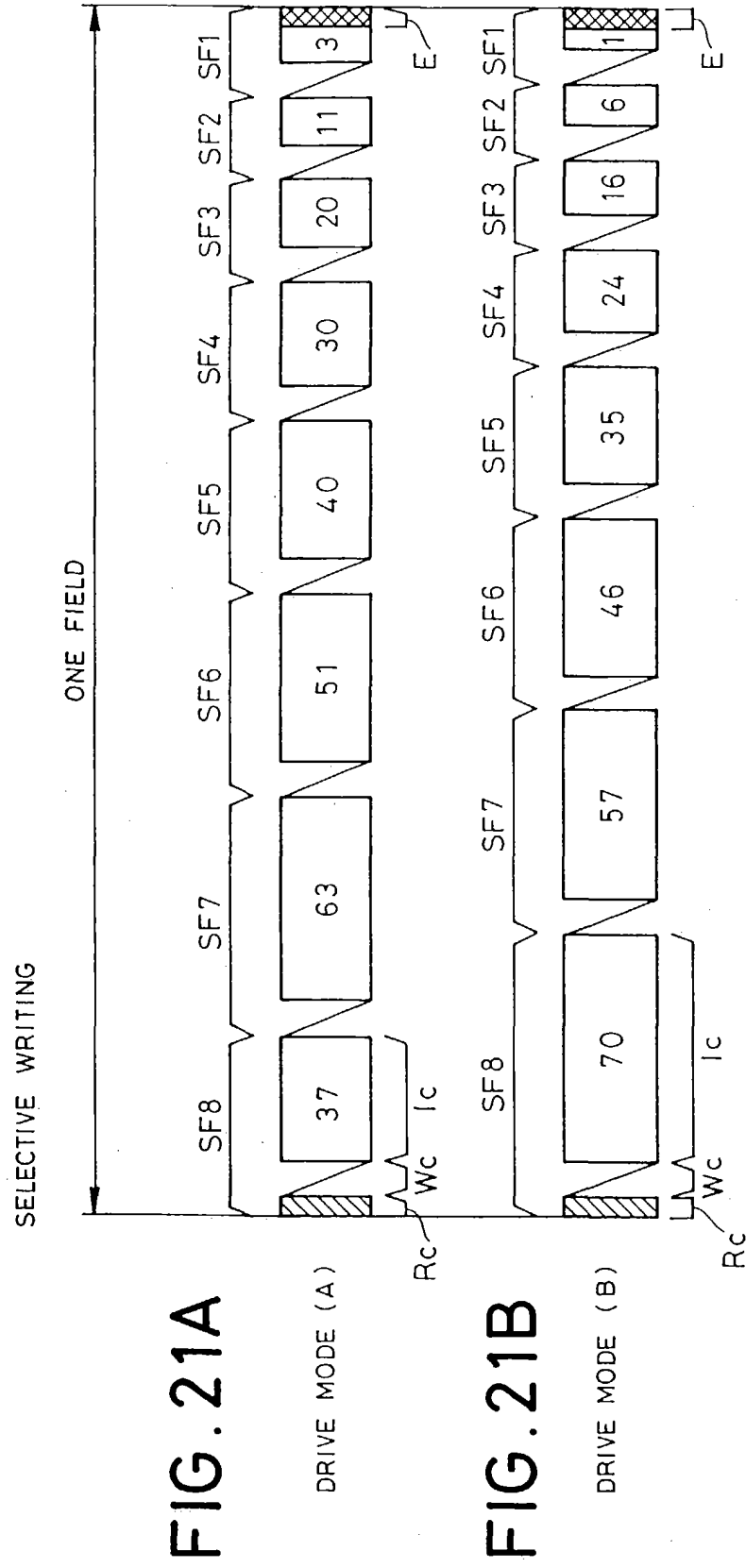


FIG. 22

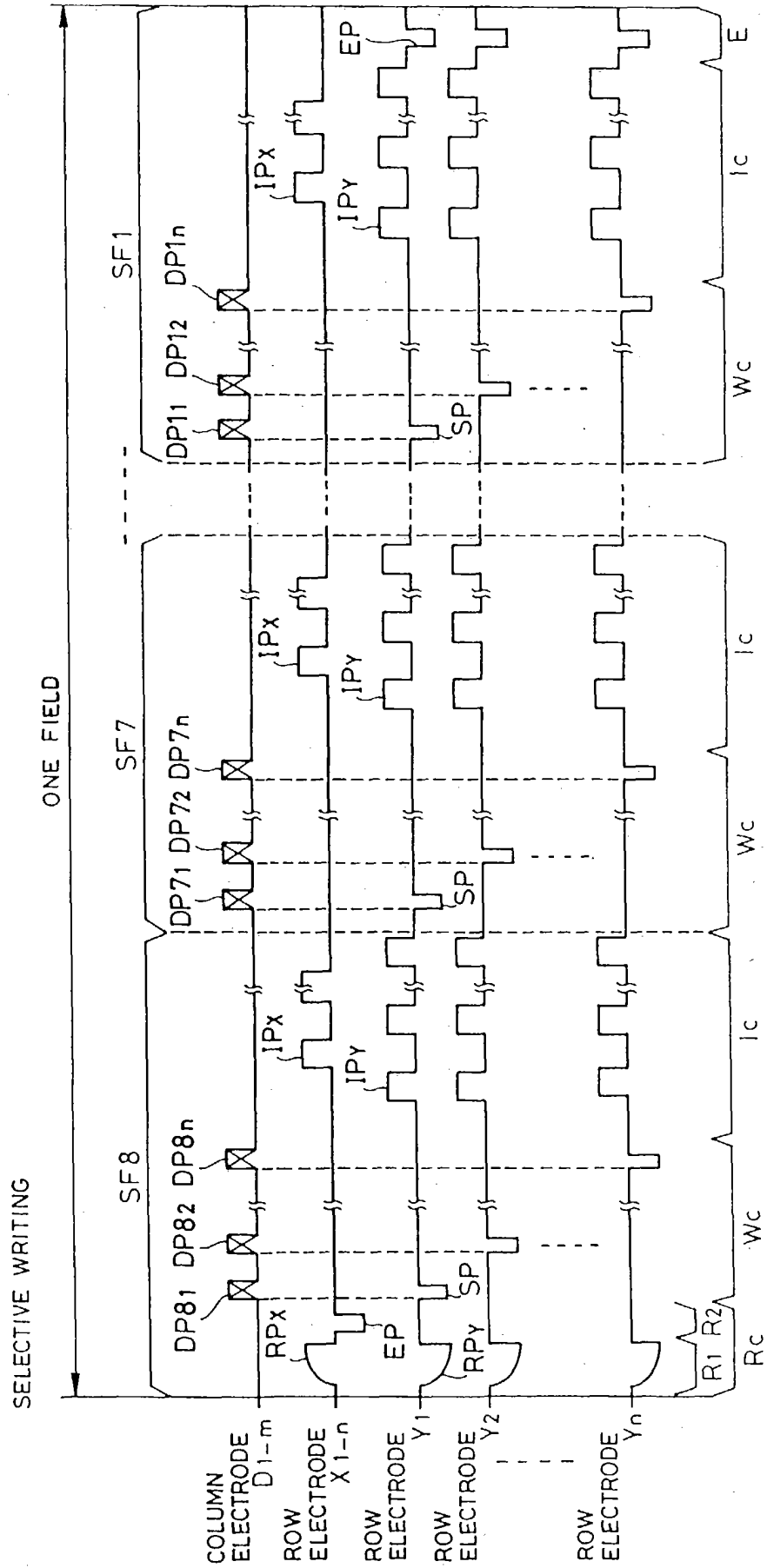
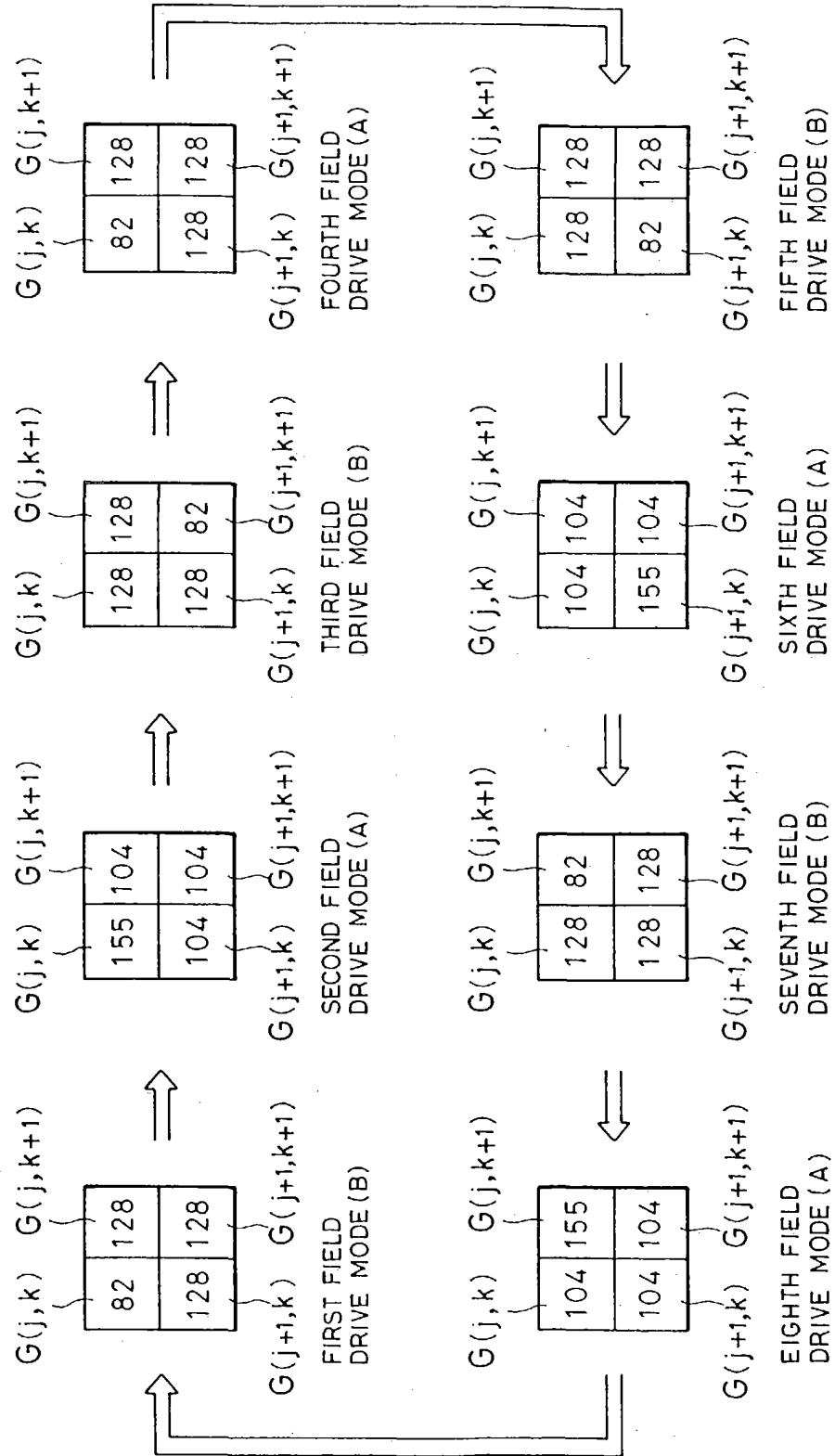


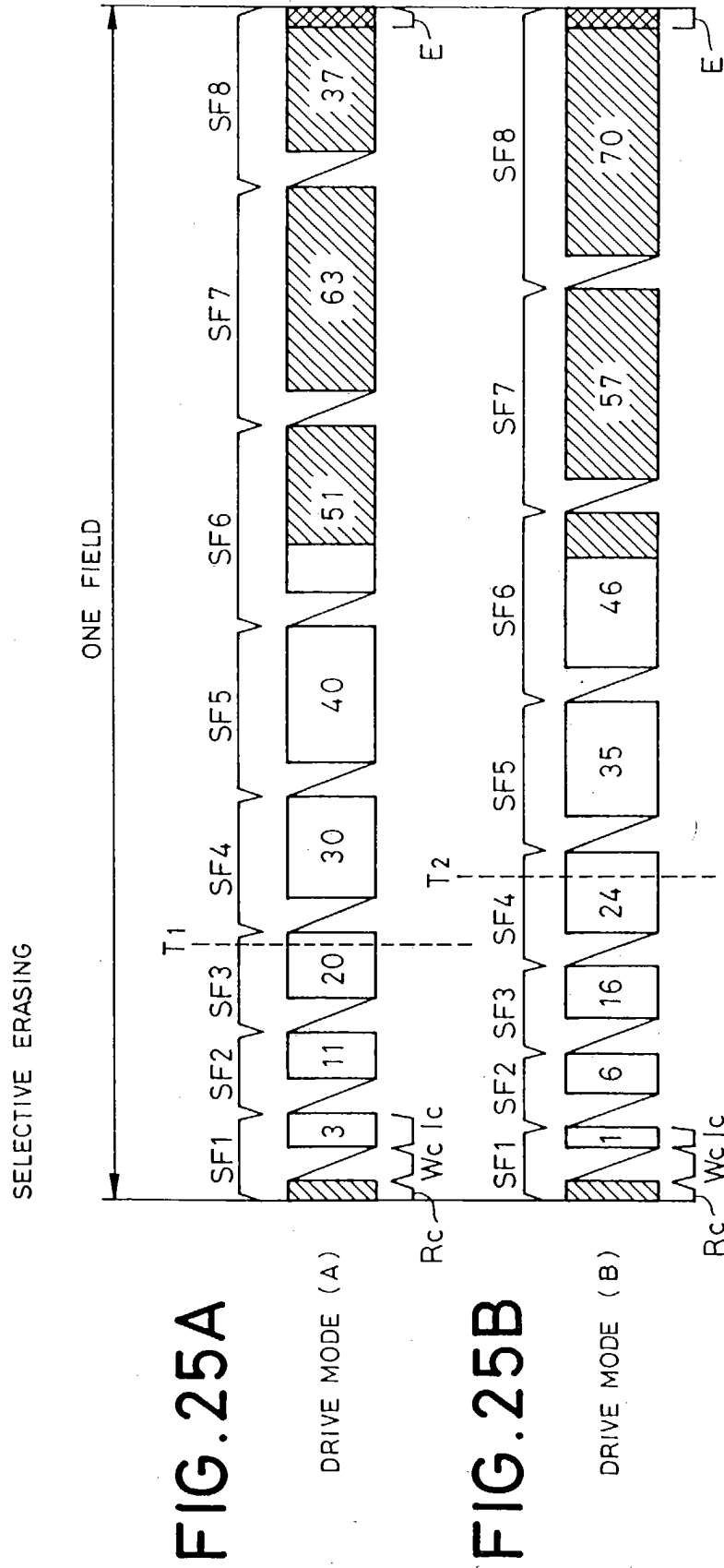
FIG. 23

SELECTIVE WRITING											LIGHT-EMISSION BRIGHTNESS															
GRAY SCALE	Ds	HD										LIGHT-EMISSION DRIVE PATTERN								LA		LB				
		8	7	6	5	4	3	2	1	SF 8	SF 7	SF 6	SF 5	SF 4	SF 3	SF 2	SF 1									
1	0000	0	0	0	0	0	0	0	0	0								0	0							
2	0001	0	0	0	0	0	0	0	0	1							●	3	1							
3	0010	0	0	0	0	0	0	0	1	0						●	○	14	7							
4	0011	0	0	0	0	0	0	1	0	0					●	○	○	34	23							
5	0100	0	0	0	0	0	1	0	0	0				●	○	○	○	64	47							
6	0101	0	0	0	0	1	0	0	0	0			●	○	○	○	○	104	82							
7	0110	0	0	1	0	0	0	0	0	0			●	○	○	○	○	155	128							
8	0111	0	1	0	0	0	0	0	0	0			●	○	○	○	○	218	185							
9	1000	1	0	0	0	0	0	0	0	0		●	○	○	○	○	○	255	255							

BLACK CIRCLES : SELECTIVE ERASE DISCHARGE STATE  
WHITE CIRCLES : LIGHT-EMITTING STATE

FIG. 24





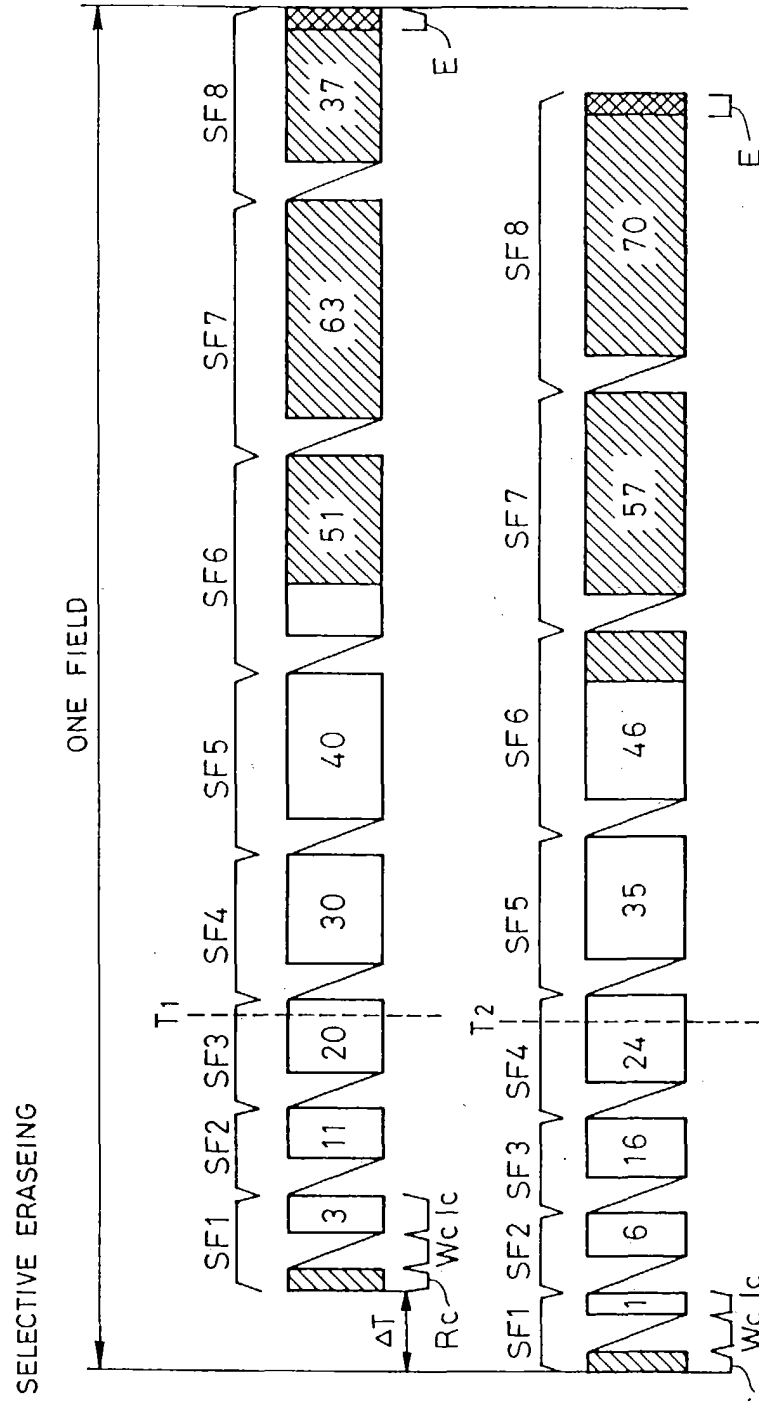


FIG. 26A

DRIVE MODE (A)

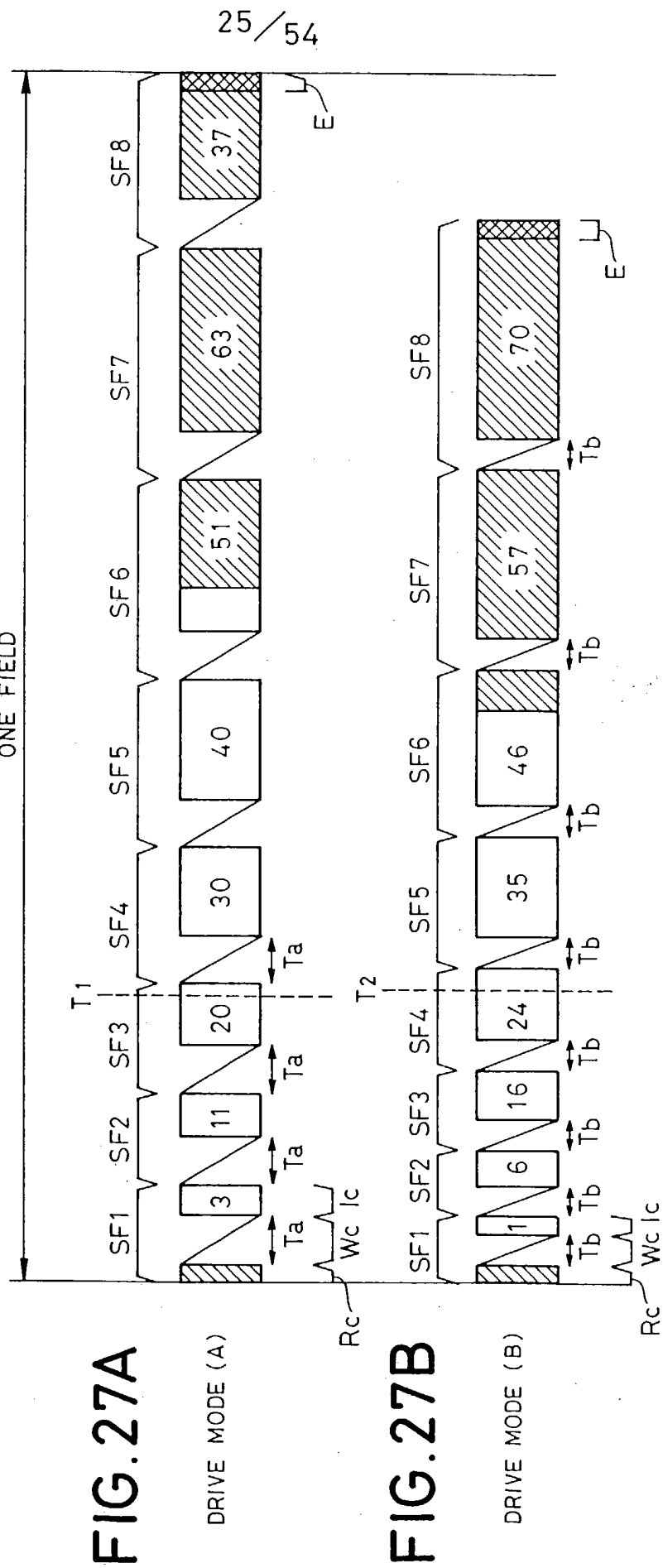
FIG. 26B

DRIVE MODE (B)



SELECTIVE ERASING

ONE FIELD



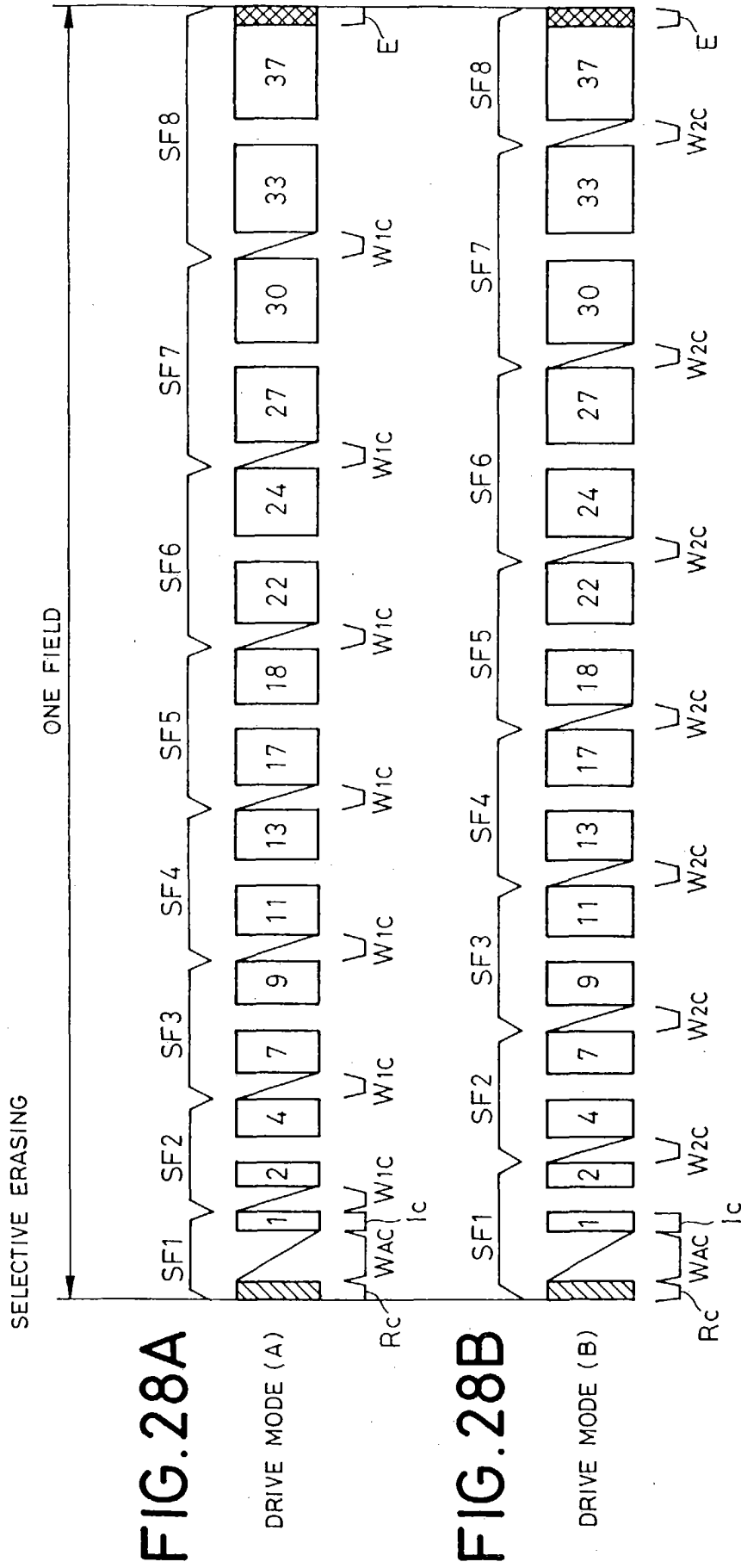


FIG. 29

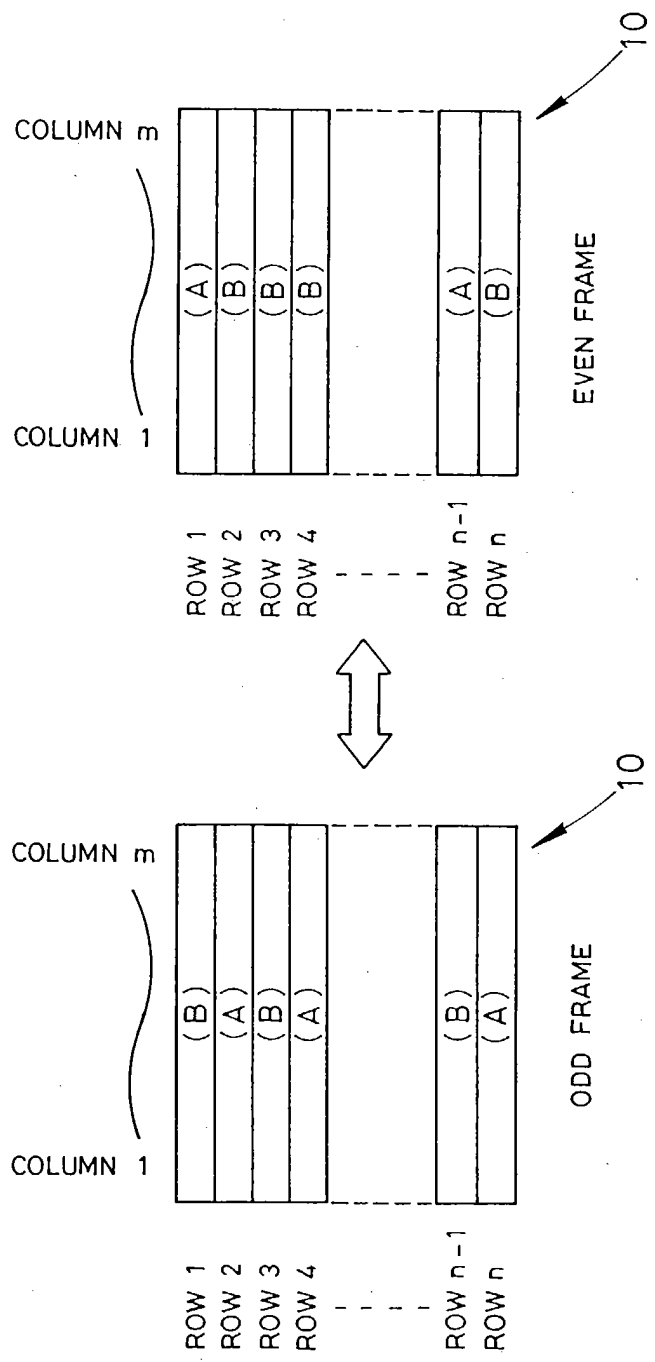


FIG. 30

SELECTIVE ERASING

Ds	HD								LIGHT-EMISSION DRIVE PATTERN								LIGHT-EMISSION BRIGHTNESS	
	1	2	3	4	5	6	7	8	SF 1	SF 2	SF 3	SF 4	SF 5	SF 6	SF 7	SF 8	LA	LB
0000	1	1	*	*	*	*	*	*	●	●	△	△	△	△	△	△	0	0
0001	0	1	1	*	*	*	*	*	○	●	●	△	△	△	△	△	3	1
0010	0	0	1	1	*	*	*	*	○	○	●	●	△	△	△	△	14	7
0011	0	0	0	1	1	*	*	*	○	○	○	●	●	△	△	△	34	23
0100	0	0	0	0	1	1	*	*	○	○	○	○	○	●	△	△	64	47
0101	0	0	0	0	0	1	1	*	○	○	○	○	○	○	●	△	104	82
0110	0	0	0	0	0	0	1	1	○	○	○	○	○	○	○	●	155	128
0111	0	0	0	0	0	0	0	1	○	○	○	○	○	○	○	○	218	185
1000	0	0	0	0	0	0	0	0	○	○	○	○	○	○	○	○	255	255

BLACK CIRCLES : SELECTIVE ERASE DISCHARGE STATE  
WHITE CIRCLES : LIGHT-EMITTING STATE

FIG. 31

## SELECTIVE WRITING

Ds	HD								LIGHT-EMISSION DRIVE PATTERN								LIGHT-EMISSION BRIGHTNESS	
	8	7	6	5	4	3	2	1	SF 8	SF 7	SF 6	SF 5	SF 4	SF 3	SF 2	SF 1	LA	LB
0000	0	0	0	0	0	0	0	0									0	0
0001	0	0	0	0	0	0	0	1								●	3	1
0010	0	0	0	0	0	0	1	1							●		14	7
0011	0	0	0	0	0	1	1	*						●			34	23
0100	0	0	0	0	1	1	*	*					●				64	47
0101	0	0	0	1	1	*	*	*				●					104	82
0110	0	0	1	1	*	*	*	*				●					155	128
0111	0	1	1	*	*	*	*	*				●					218	185
1000	1	1	*	*	*	*	*	*				●					255	255

BLACK CIRCLES : SELECTIVE ERASE DISCHARGE STATE  
 WHITE CIRCLES : LIGHT-EMITTING STATE

FIG. 32

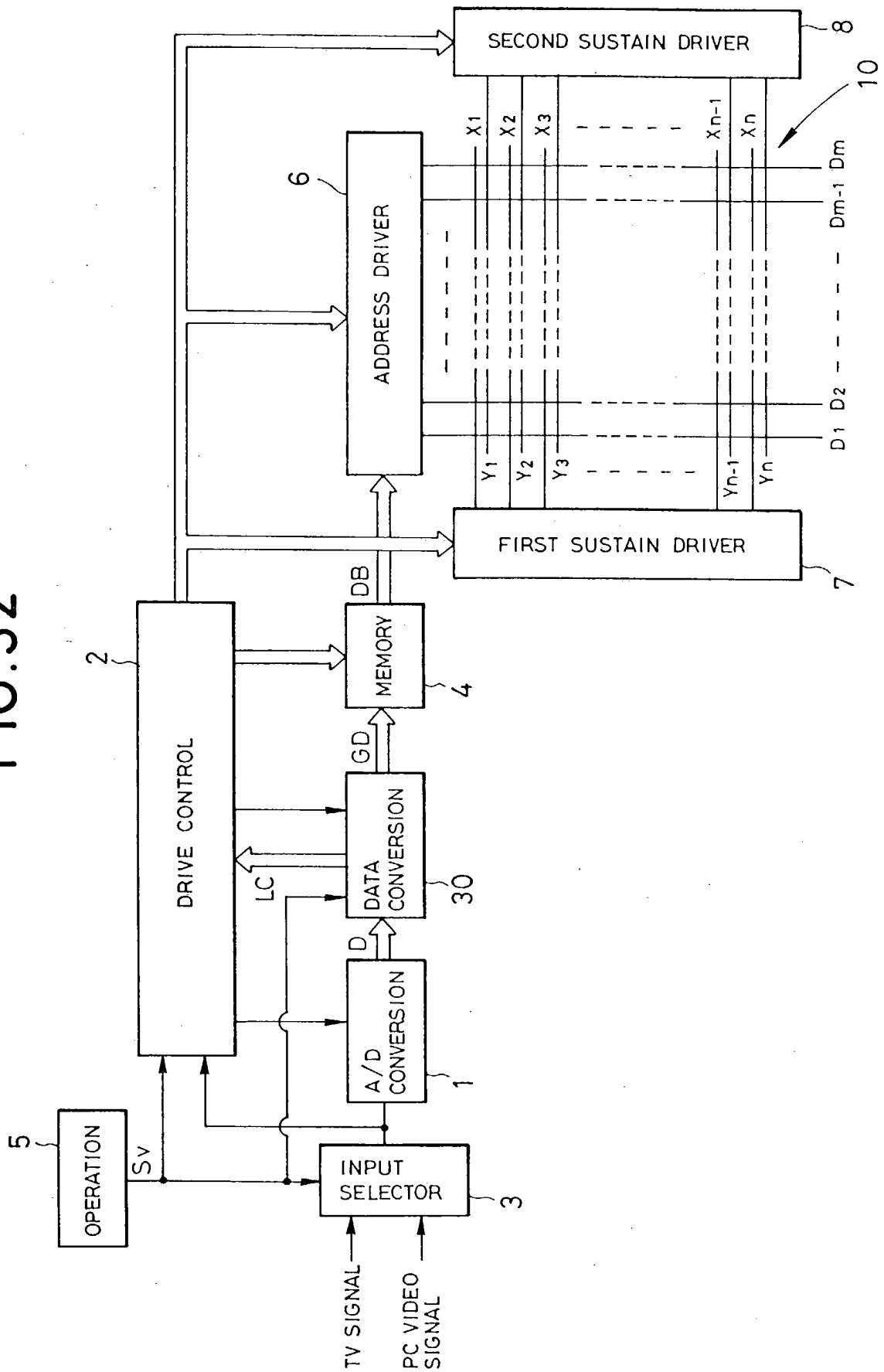


FIG. 33

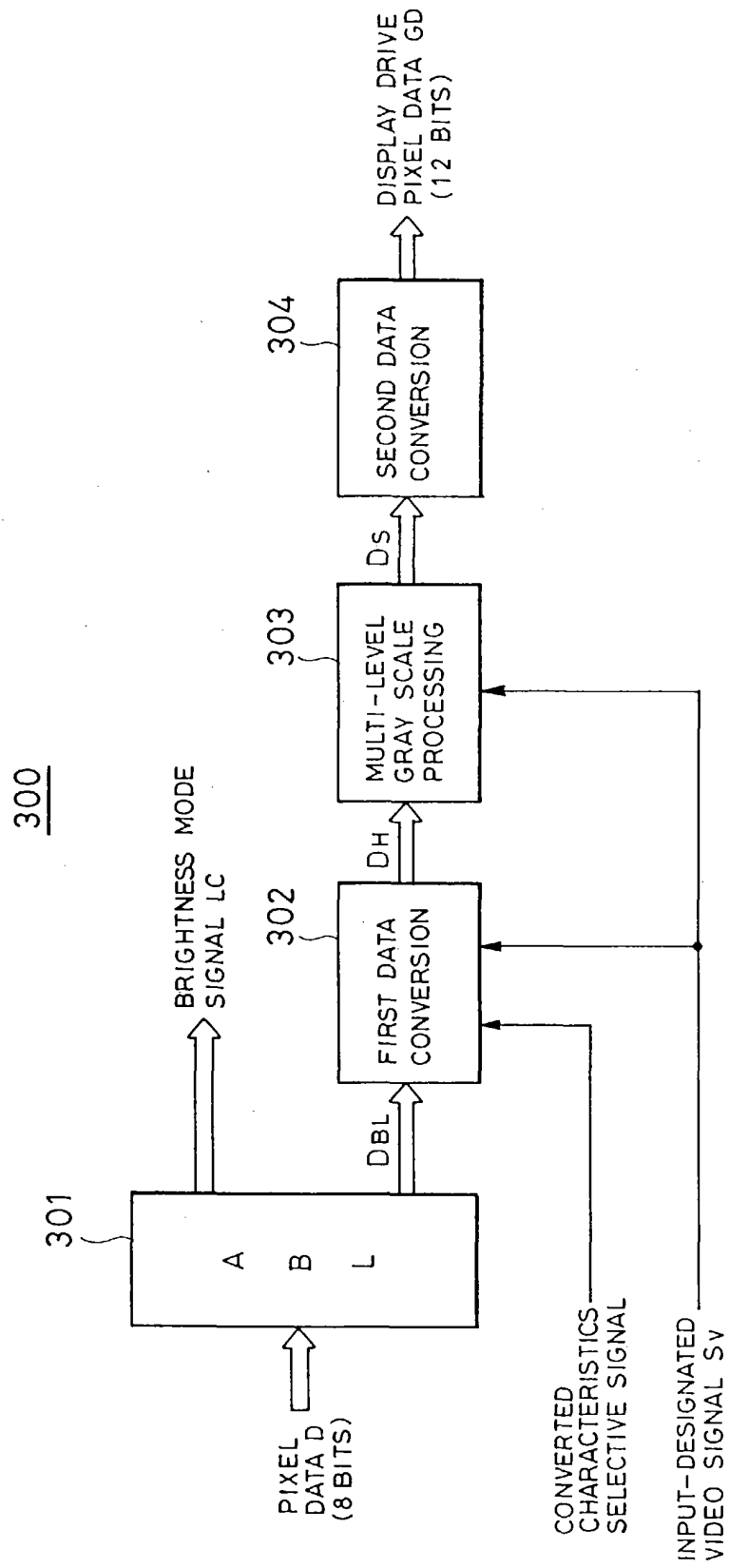


FIG.34

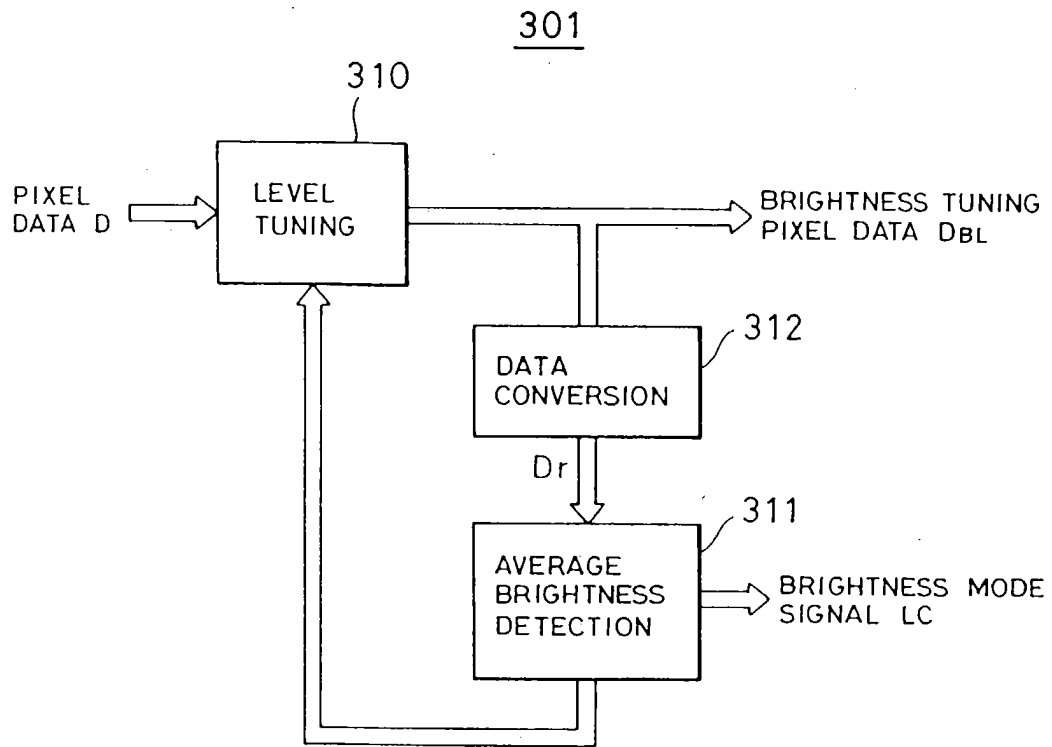


FIG.35

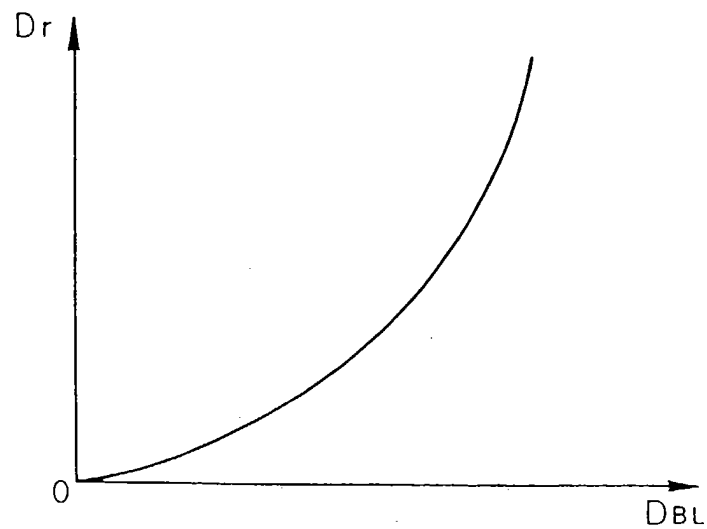




FIG. 36

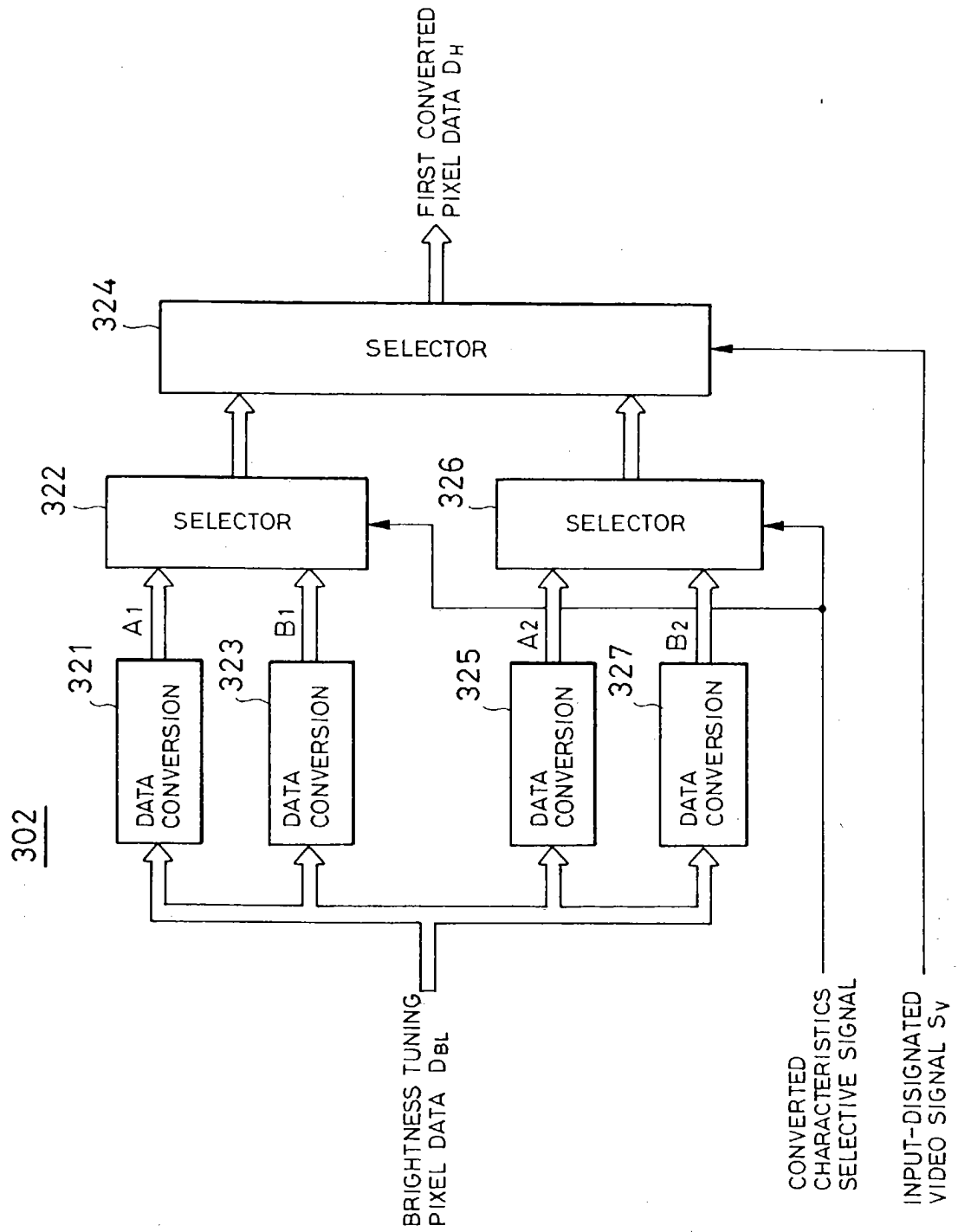


FIG.37A

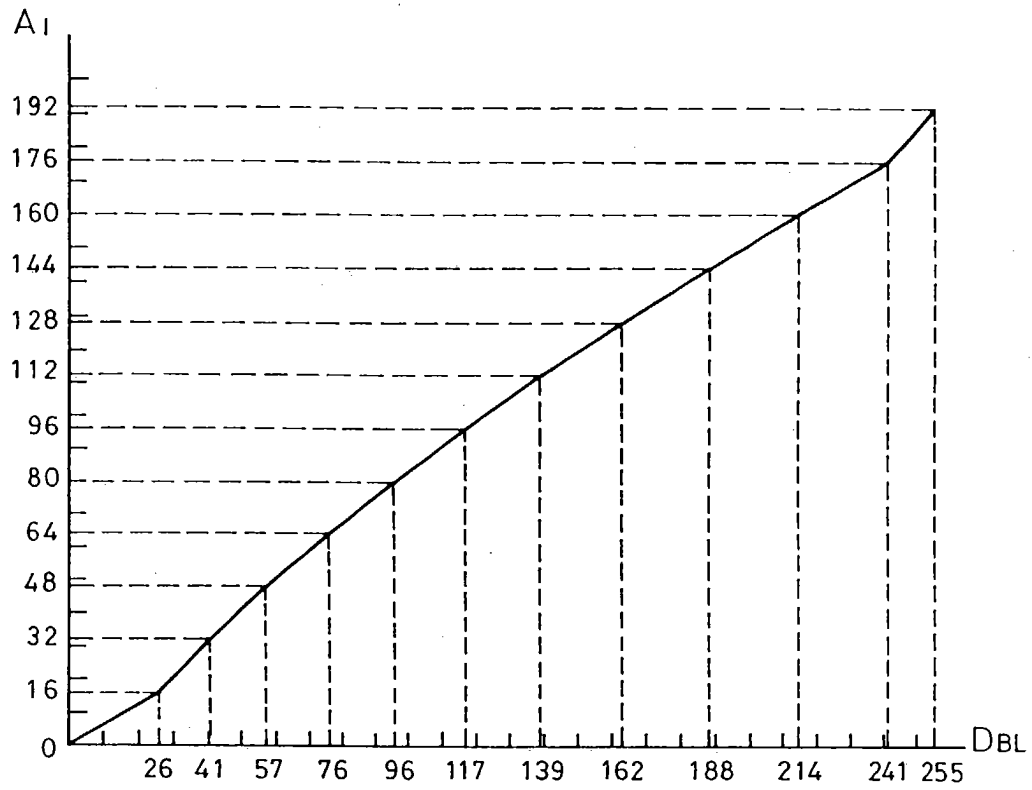


FIG.37B

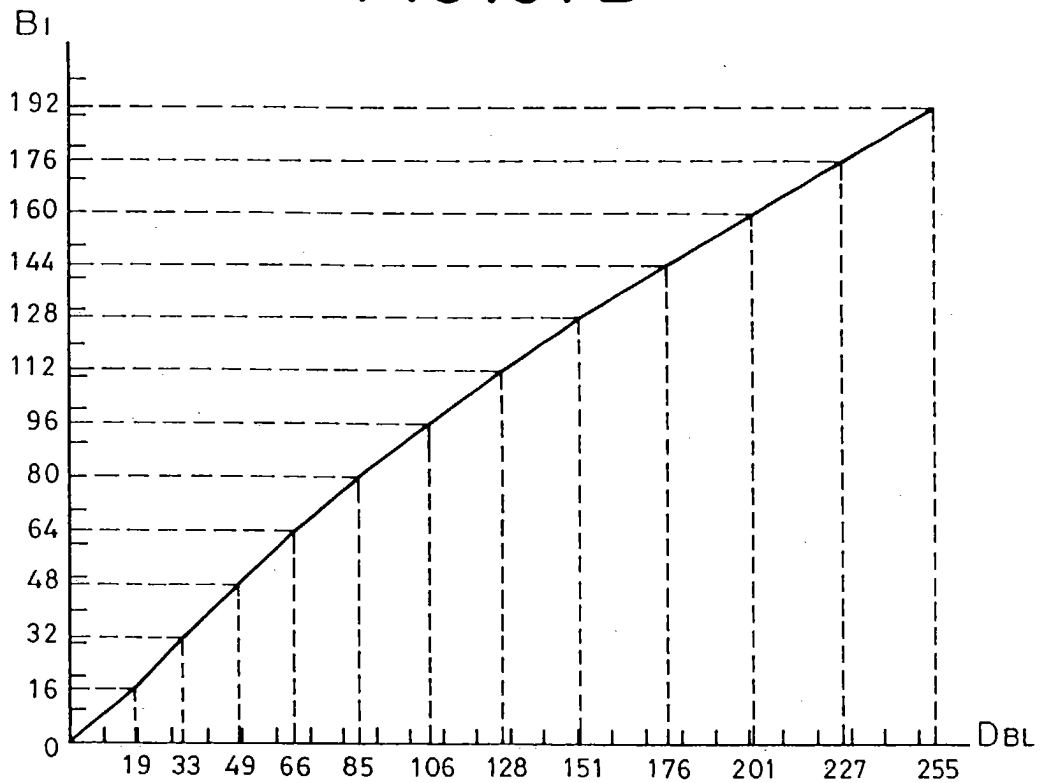


FIG.38A

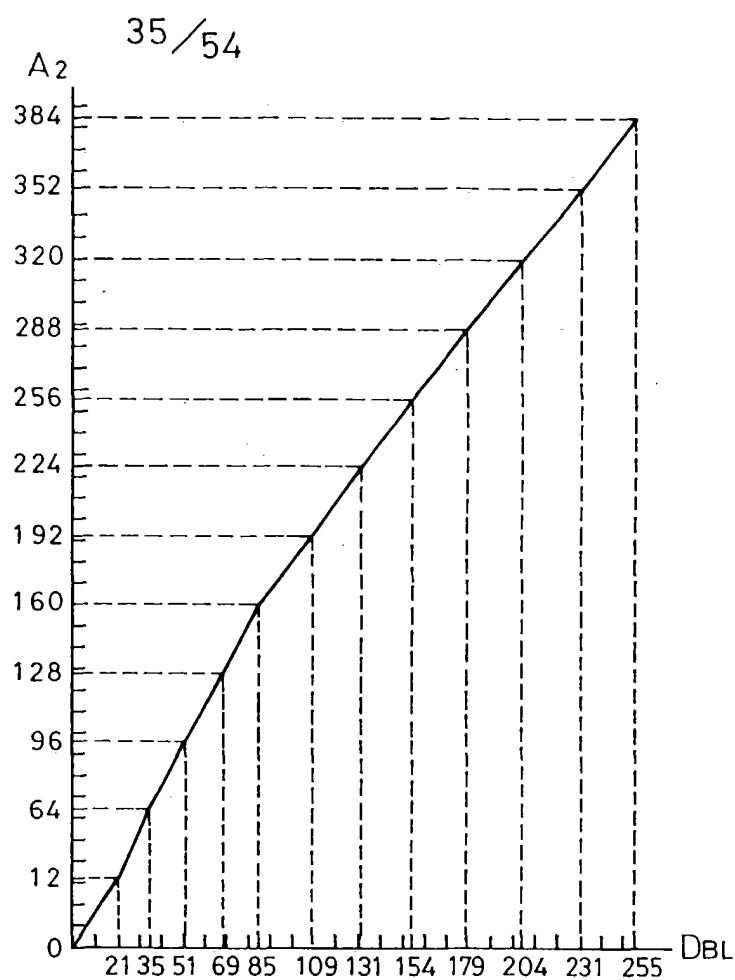
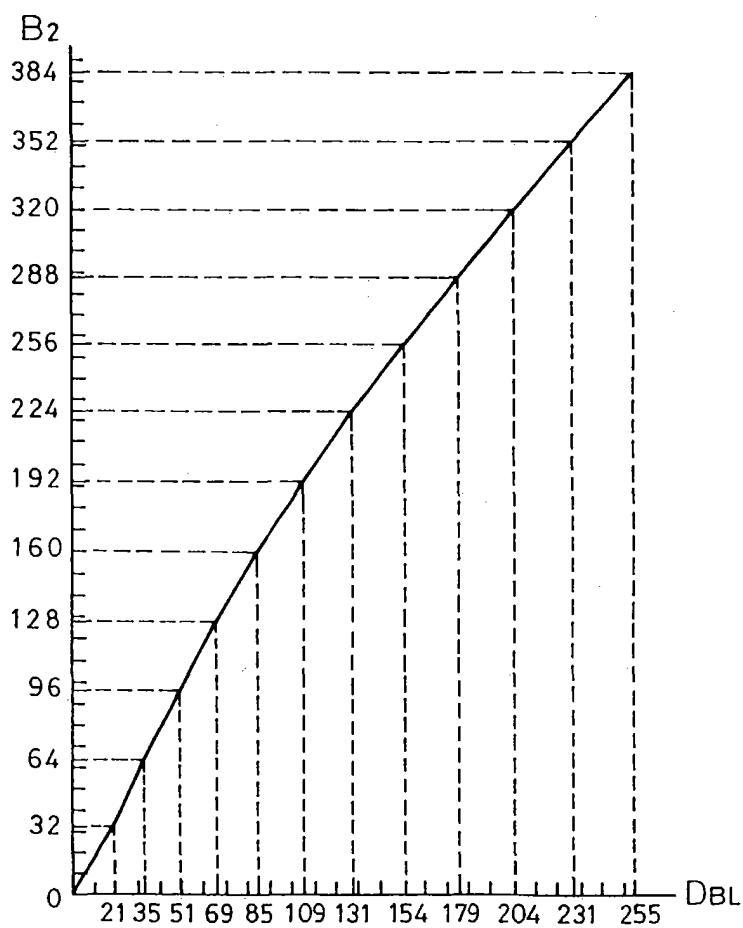


FIG.38B



# FIG. 39

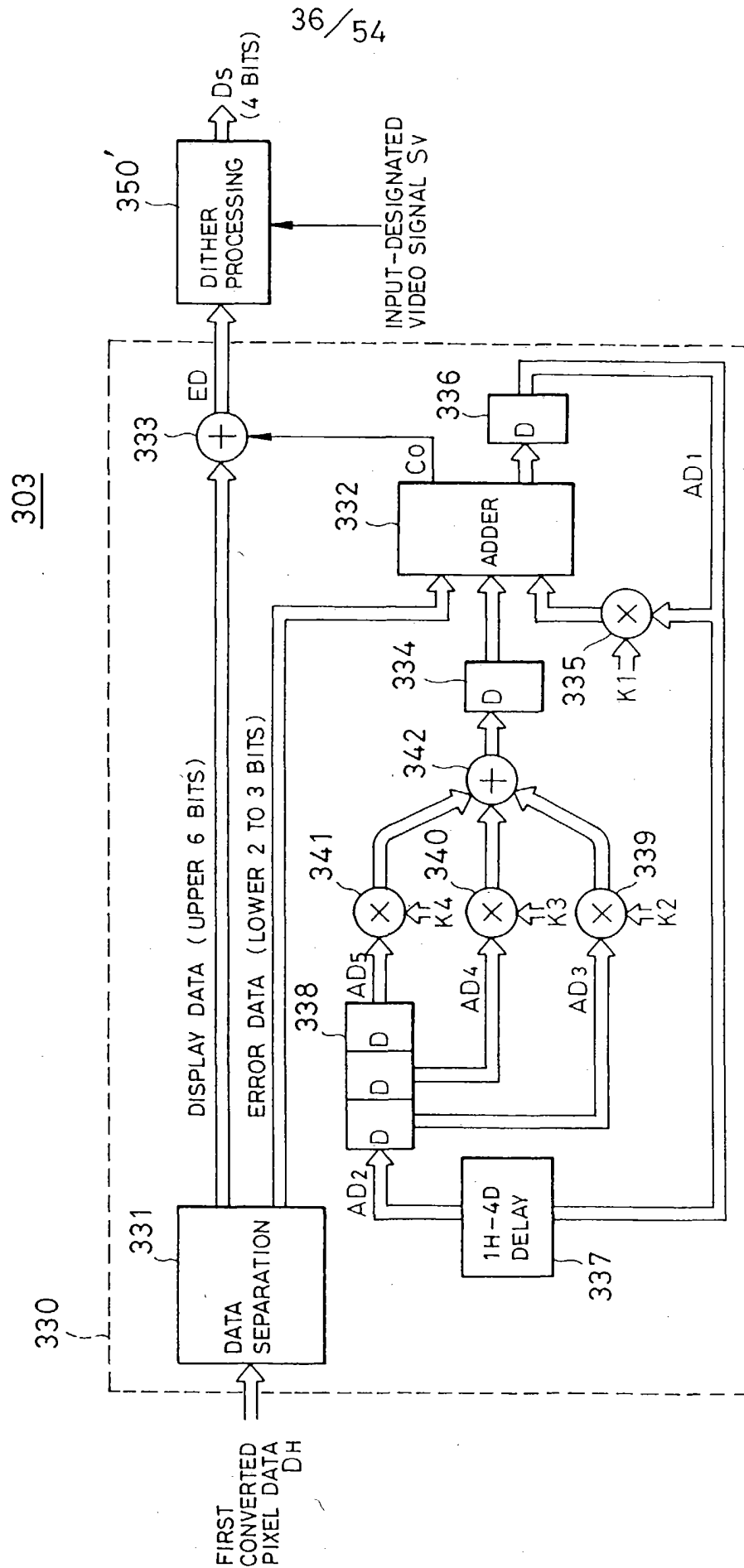


FIG. 40

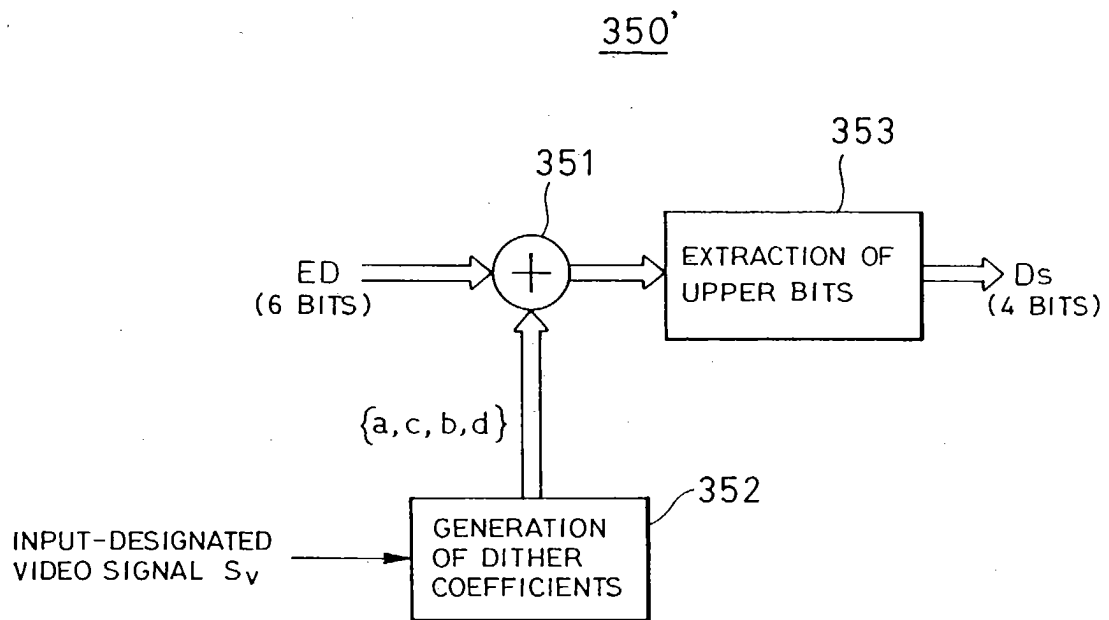


FIG. 41

INPUT VIDEO SIGNAL	DITHER COEFFICIENT			
	a	b	c	d
TV SIGNAL	0	1	2	3
PC VIDEO SIGNAL	0 (1)	2 (3)	4 (5)	6 (7)



FIG. 43

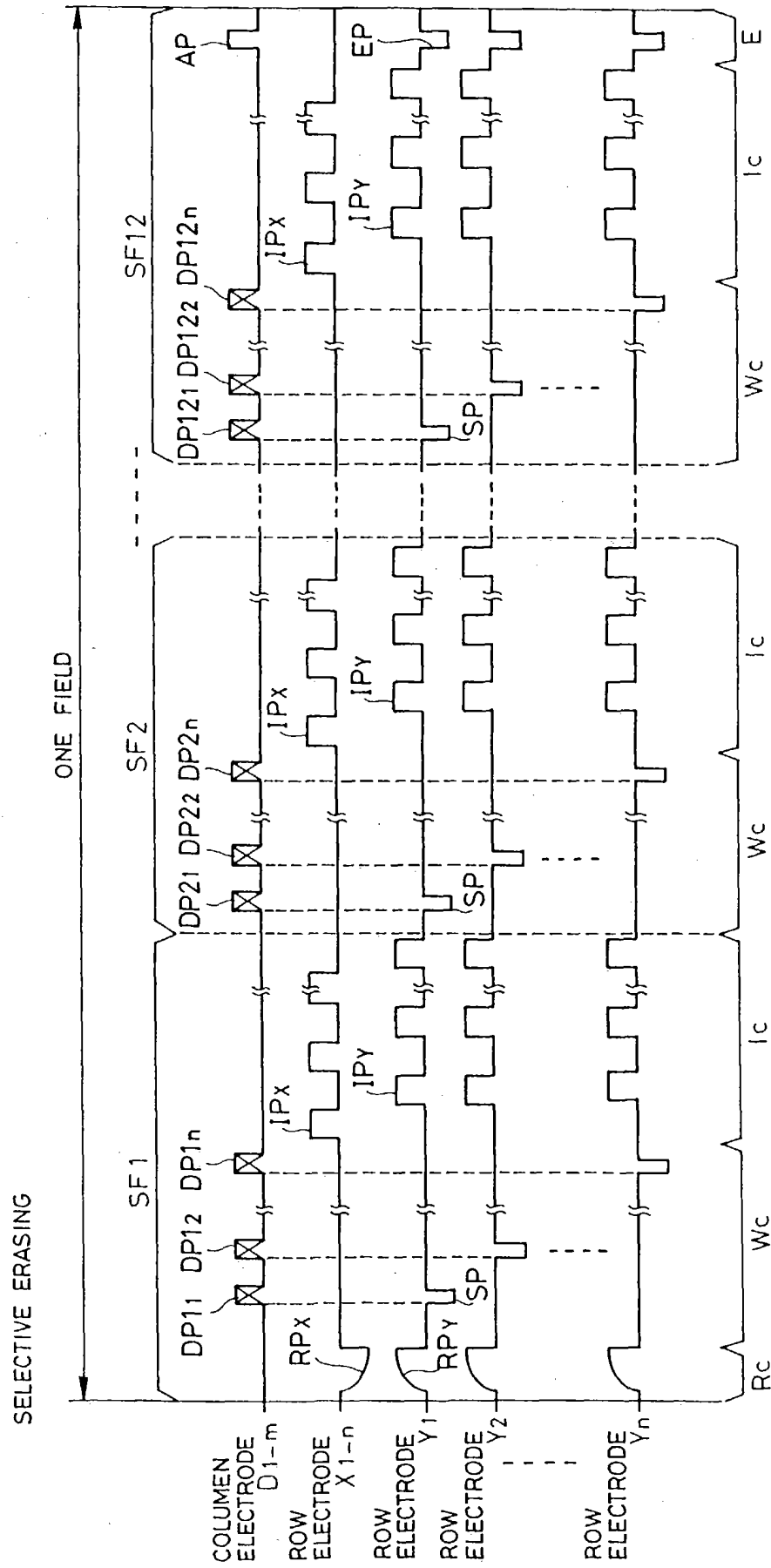




FIG. 44A

LC	SF1	SF2	SF3	SF4	SF5	SF6	SF7	SF8	SF9	SF10	SF11	SF12
MODE 1	2	2	6	8	11	17	22	28	35	43	51	30
MODE 2	4	4	12	16	22	34	44	56	70	86	102	60
MODE 3	6	6	18	24	33	51	66	84	105	129	153	90
MODE 4	8	8	24	32	44	68	88	112	140	172	203	120

ODD FIELD (A)

FIG. 44B

LC	SF1	SF2	SF3	SF4	SF5	SF6	SF7	SF8	SF9	SF10	SF11	SF12
MODE 1	1	2	4	6	10	14	19	25	31	39	47	57
MODE 2	2	4	8	12	20	28	38	50	62	78	94	114
MODE 3	3	6	12	18	30	42	57	75	93	117	141	171
MODE 4	4	8	16	24	40	56	76	100	124	156	188	228

EVEN FIELD (B)

FIG. 45A

LC \	SF1	SF2	SF3	SF4	SF5	SF6	SF7	SF8	SF9	SF10	SF11	SF12
MODE 1	1	2	4	7	11	14	20	25	33	40	48	50
MODE 2	2	4	8	14	22	28	40	50	66	80	96	100
MODE 3	3	6	12	21	33	42	60	75	99	120	144	150
MODE 4	4	8	16	28	44	56	80	100	132	160	192	200

ODD FIELD (A)

FIG. 45B

LC \	SF1	SF2	SF3	SF4	SF5	SF6	SF7	SF8	SF9	SF10	SF11	SF12
MODE 1	1	2	4	6	10	14	19	25	31	39	47	57
MODE 2	2	4	8	12	20	28	38	50	62	78	94	114
MODE 3	3	6	12	18	30	42	57	75	93	117	141	171
MODE 4	4	8	16	24	40	56	76	100	124	156	188	228

EVEN FIELD (B)

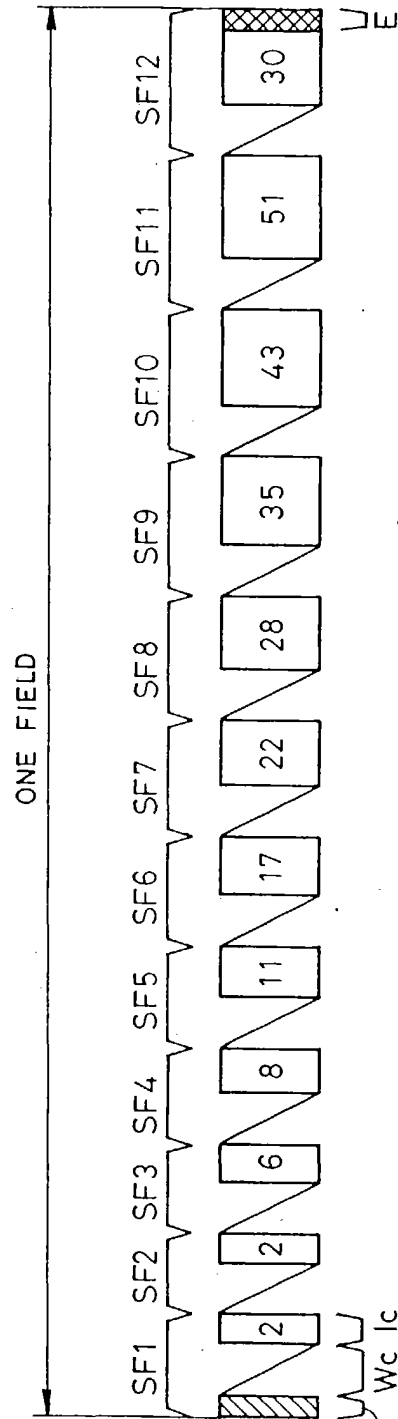


FIG. 46A

ODD FIELD (A)

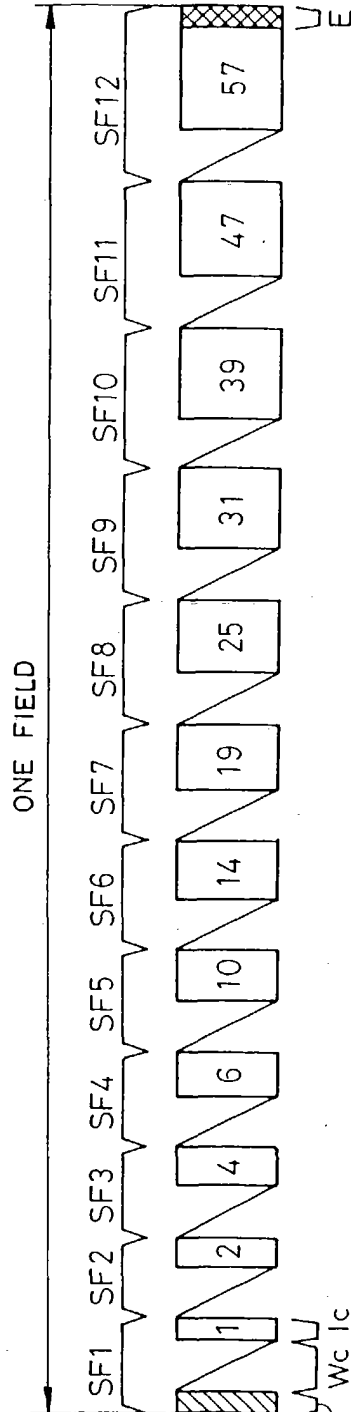


FIG. 46B

EVEN FIELD (B)

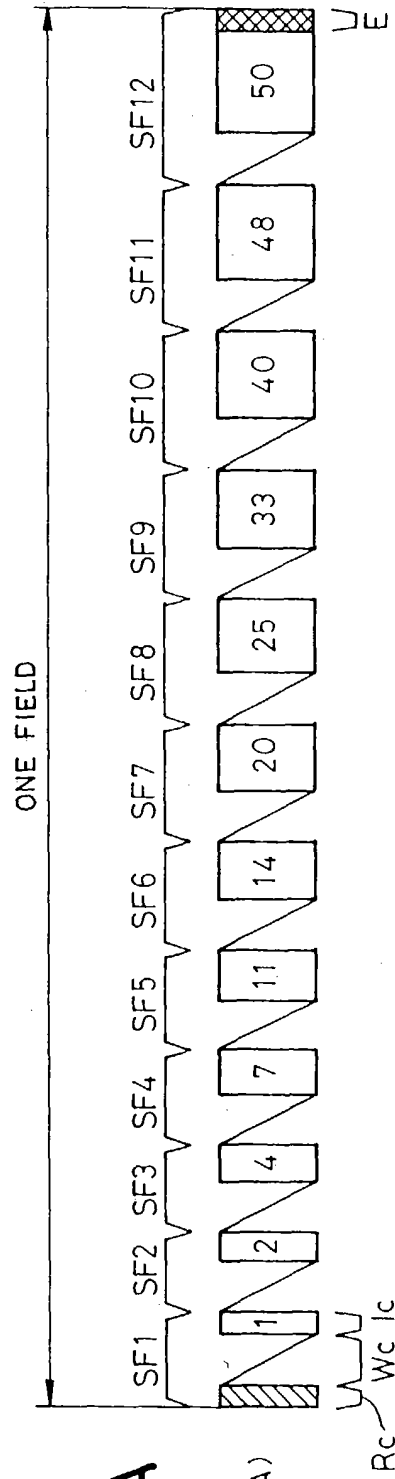


FIG. 47A

ODD FIELD (A)

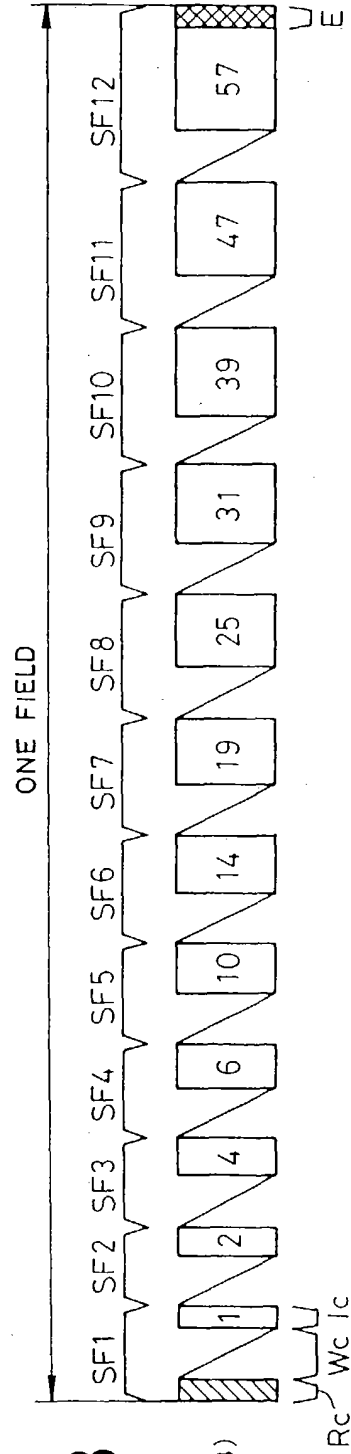
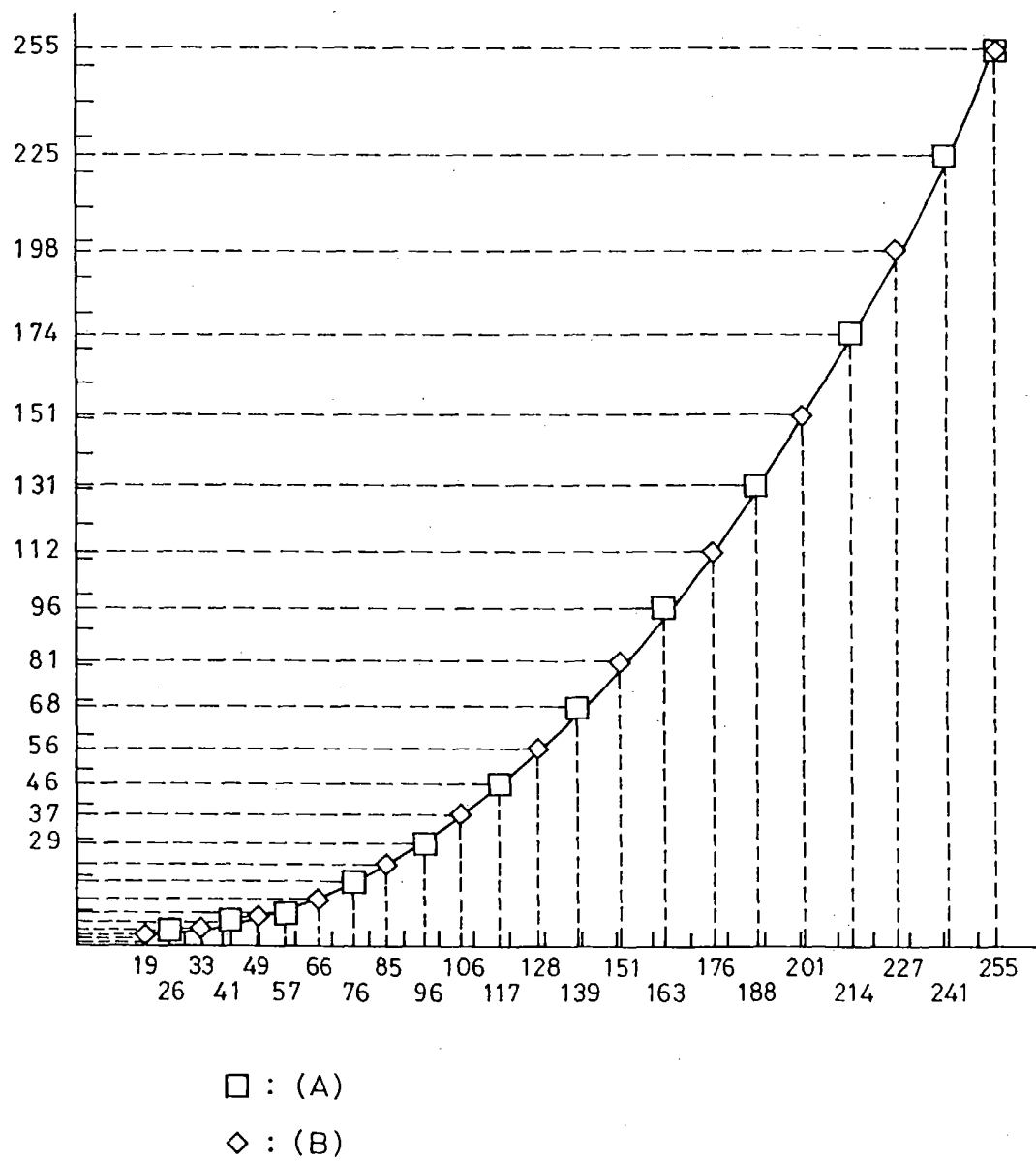


FIG. 47B

EVEN FIELD (B)

FIG. 48

DISPLAY BRIGHTNESS



# FIG. 49

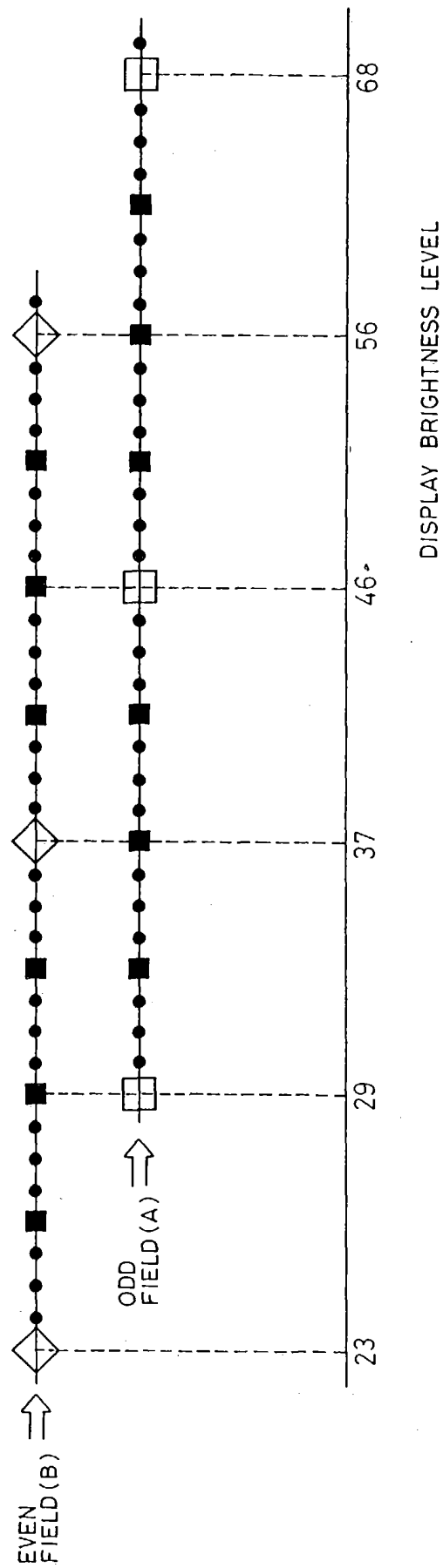


FIG. 50

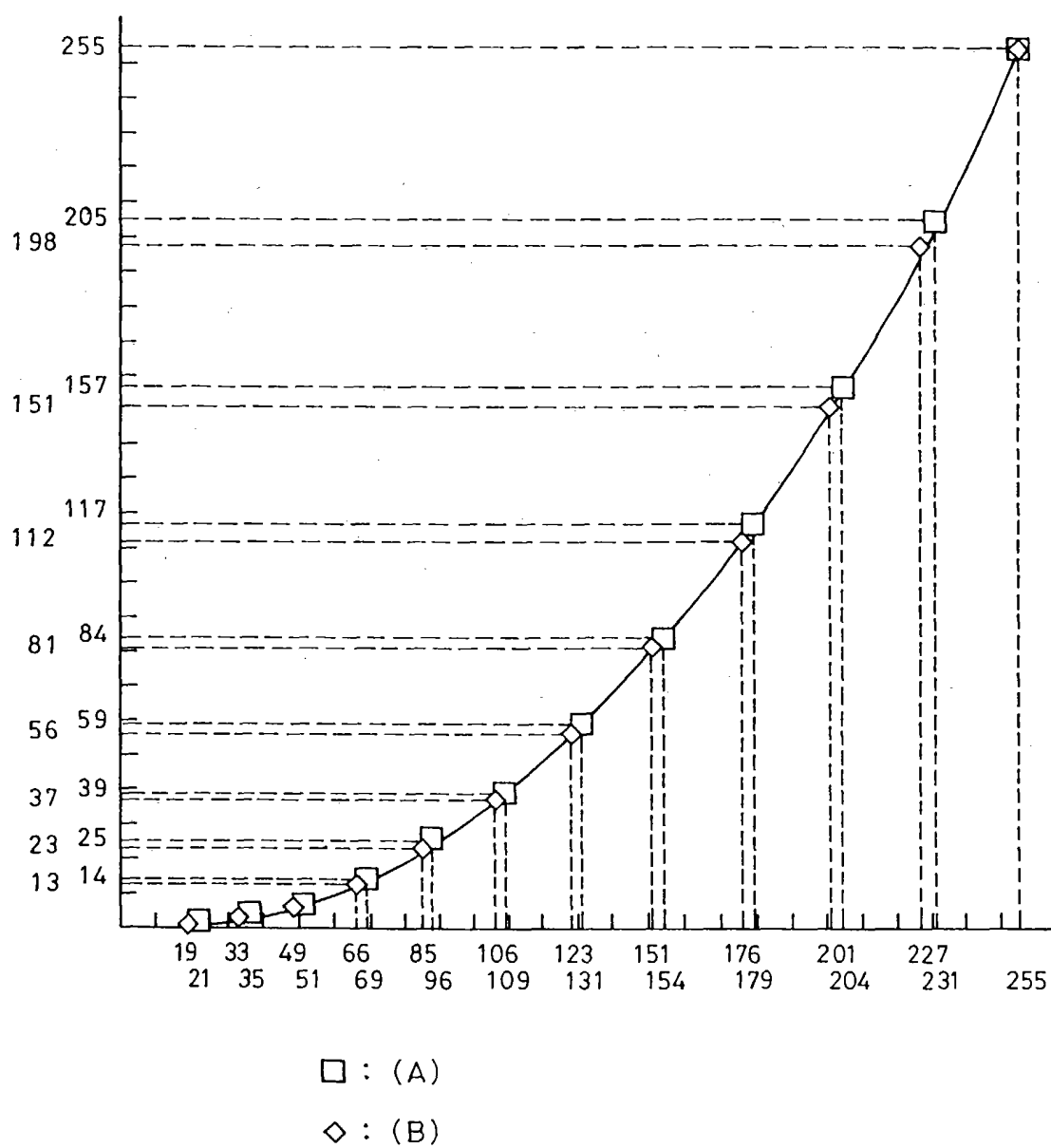


FIG. 51

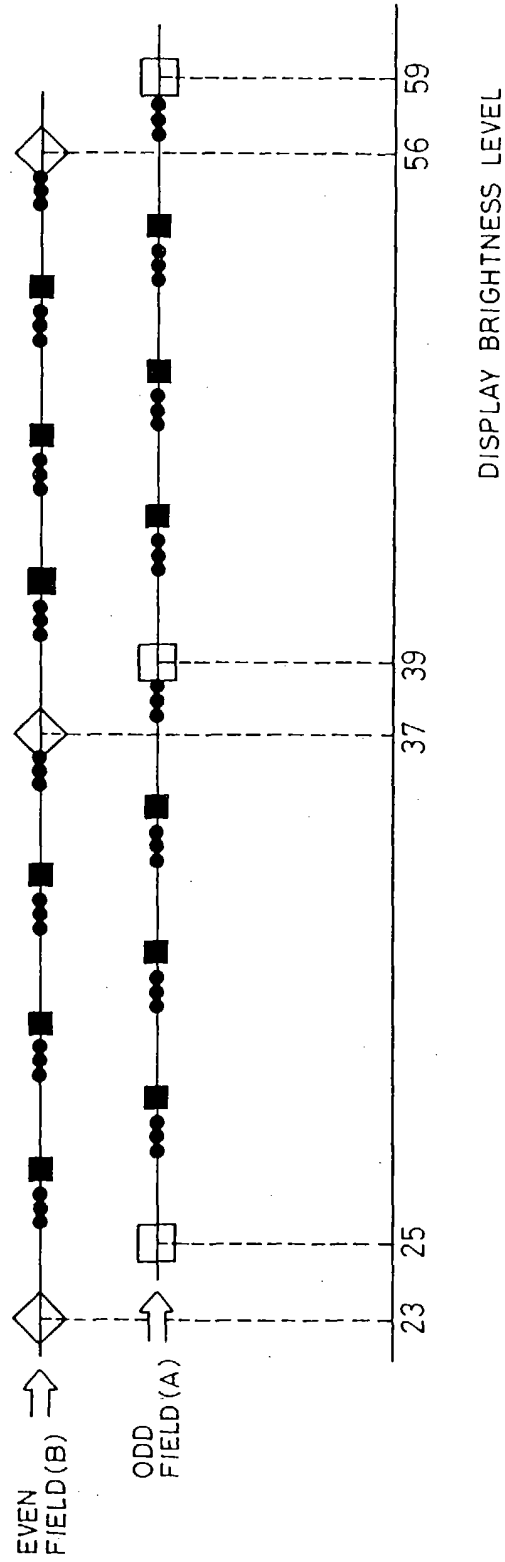
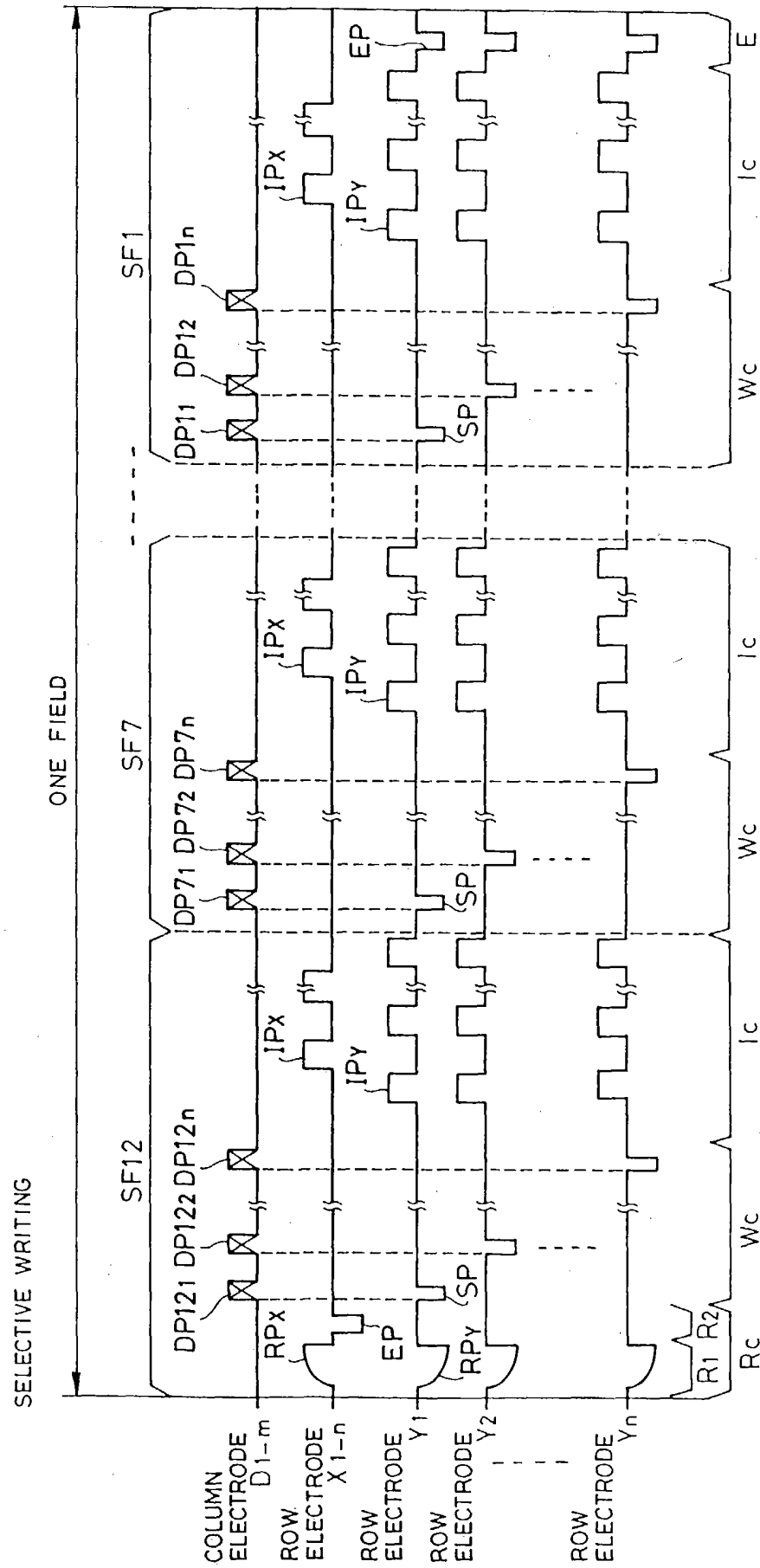
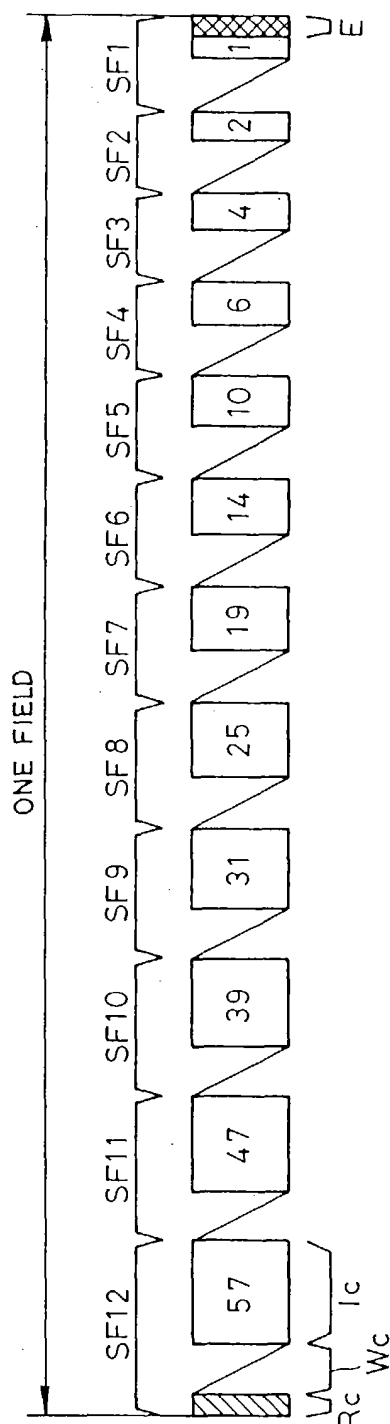
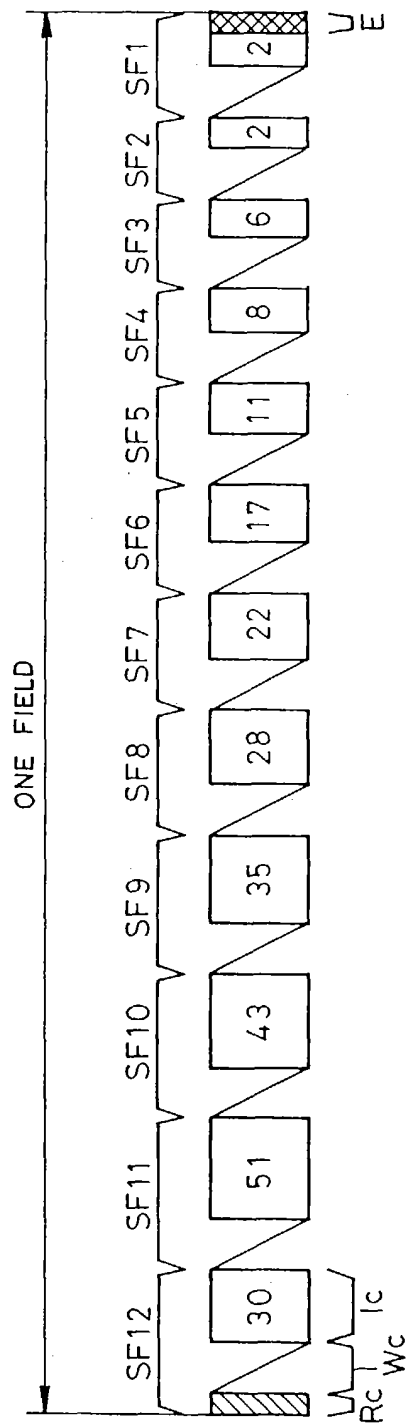




FIG. 52





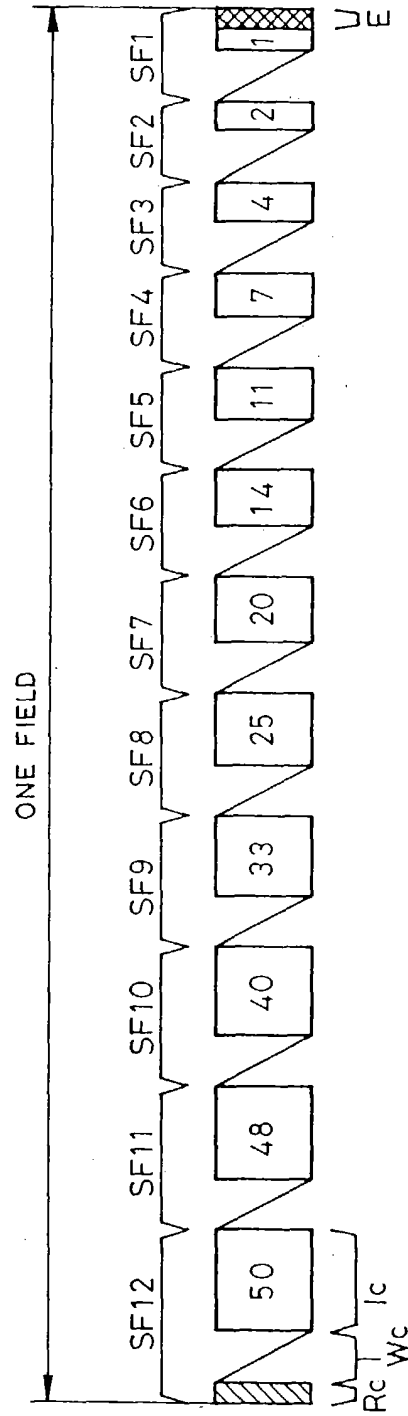


FIG.54A

ODD FIELD (A)

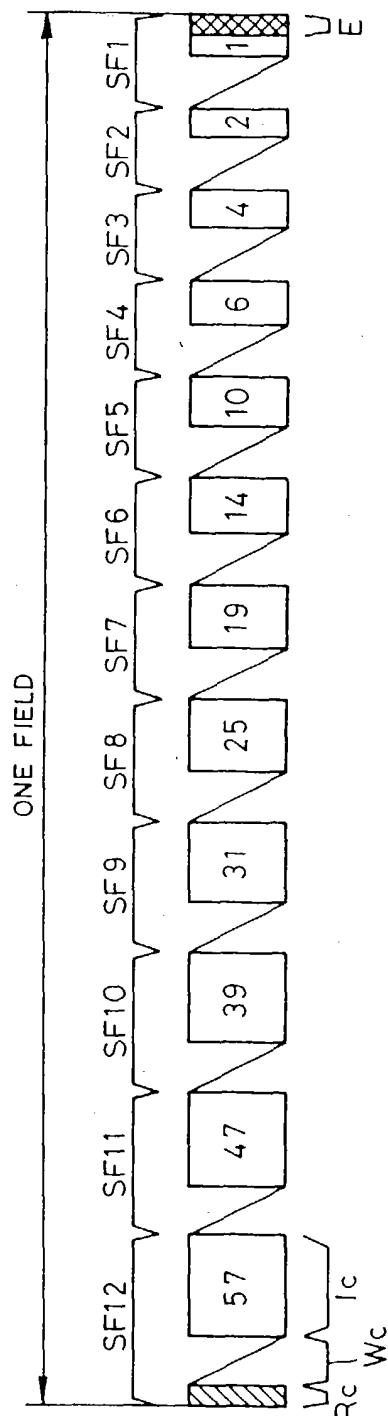


FIG.54B

EVEN FIELD (B)



FIG. 56

SELECTIVE ERASING  
GRAY SCALE

CONVERSION TABLE OF THE SECOND DATA CONVERTER													LIGHT-EMISSION DRIVE PATTERN												DISPLAY BRIGHTNESS				
34																									TV		PC · VIDEO		
Ds													GD												SIGNAL		SIGNAL		
	1	2	3	4	5	6	7	8	9	10	11	12	SF 1	SF 2	SF 3	SF 4	SF 5	SF 6	SF 7	SF 8	SF 9	SF 10	SF 11	SF 12	LA ODD	LB EVEN	LA ODD	LB EVEN	
1	0000	1	1	*	*	*	*	*	*	*	*	*	●	●	△	△	△	△	△	△	△	△	△	△	△	0	0	0	0
2	0001	0	1	1	*	*	*	*	*	*	*	*	○	●	△	△	△	△	△	△	△	△	△	△	△	2	1	1	1
3	0010	0	0	1	1	*	*	*	*	*	*	*	○	○	●	●	△	△	△	△	△	△	△	△	△	4	3	3	3
4	0011	0	0	0	1	1	*	*	*	*	*	*	○	○	○	○	●	●	△	△	△	△	△	△	△	10	7	7	7
5	0100	0	0	0	0	1	1	*	*	*	*	*	○	○	○	○	●	●	△	△	△	△	△	△	△	18	13	14	13
6	0101	0	0	0	0	0	1	1	*	*	*	*	○	○	○	○	○	●	●	△	△	△	△	△	△	29	23	25	23
7	0110	0	0	0	0	0	0	1	1	*	*	*	○	○	○	○	○	○	●	●	△	△	△	△	△	46	37	39	37
8	0111	0	0	0	0	0	0	0	1	1	*	*	○	○	○	○	○	○	○	●	●	△	△	△	△	68	56	59	56
9	1000	0	0	0	0	0	0	0	0	1	1	*	○	○	○	○	○	○	○	○	○	○	○	△	△	96	81	84	81
10	1001	0	0	0	0	0	0	0	0	0	1	1	○	○	○	○	○	○	○	○	○	○	○	○	△	131	112	117	112
11	1010	0	0	0	0	0	0	0	0	0	0	1	○	○	○	○	○	○	○	○	○	○	○	○	○	174	151	157	151
12	1011	0	0	0	0	0	0	0	0	0	0	0	○	○	○	○	○	○	○	○	○	○	○	○	○	225	198	205	198
13	1100	0	0	0	0	0	0	0	0	0	0	0	○	○	○	○	○	○	○	○	○	○	○	○	○	255	255	255	255

BLACK CIRCLES : SELECTIVE ERASE DISCHARGE STATE  
WHITE CIRCLES : LIGHT-EMITTING SF

# FIG. 57

SELECTIVE WRITING  
GRAY SCALE

CONVERSION TABLE OF THE SECOND DATA CONVERTER														LIGHT-EMISSION DRIVE PATTERN.												DISPLAY BRIGHTNESS			
34																										TV SIGNAL		PC-VIDEO SIGNAL	
Ds		GD												SF SF SF SF SF SF SF SF SF SF SF SF SF SF SF SF												LA ODD	LB EVEN	LA ODD	LB EVEN
1	2	3	4	5	6	7	8	9	10	11	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0101	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	1001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	1010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	1011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	1100	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1